

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Ames Research Center
Intelligent Systems Division
Moffett Field, California 94035-1000

STATEMENT OF WORK
For
INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT
(ISRDS)

MARCH 21, 2008

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1.0 INTRODUCTION

The Intelligent Systems Division (hereafter, referred to as Code TI or the Division) is part of the Exploration Technology Directorate (Code T) at the NASA Ames Research Center. Code TI conducts scientific research, develops technologies, builds applications, and infuses and deploys advanced information systems technology into NASA missions and other federal government projects. This procurement is for research, development and infusion support services to assist that effort.

The Division is a major contributor to enabling technology research and development of NASA's programs in Aeronautics Research Mission Directorate (ARMD), Exploration Systems Mission Directorate (ESMD), Science Mission Directorate (SMD), and Space Operations Mission Directorate (SOMD). Programs supported by the Division include ESMD's Robotics, Operations and Supportability, ESMD's Constellation, ESMD's Exploration Technology Demonstration Program (ETDP), ARMD's Aviation Safety and Fundamental Aeronautics programs, SOMD's ISS Training system, SMD's Landsat data and mission operations and the Center's Small Sat Research projects.

Laboratories are operated by Code TI for many of the scientific and engineering disciplines under the purview of the Division. Code TI maintains strong relationships with other U.S. government agencies, industrial organizations, and academic partners for the purposes of joint research and rapid technology transfer.

Code TI is composed of technology-based groups, each with expertise to support the above-listed Mission Directorates. The technologies currently emphasized are described in section 2.3 of the Scope of Work that follows. Projects are described in section 2.4 of the Scope of Work and may require participation across multiple technical groups.

The requirements to be performed is described in the following sections. Consequently, the contractor may be required to perform at locations other than Ames Research Center pursuant to Section F of the RFP.

Definitions

- AI: Artificial Intelligence.
- ARC: NASA's Ames Research Center, Moffett Field, California
- ARMD: Aeronautics Research Mission Directorate

J.1(a), ATTACHMENT 1

- CO: Contracting Officer, the primary point of contact between the contractor and the Government
- COTR: The Contracting Officer's Technical Representative, charged with providing the CO with technical information and assessments about the contract
- CSO: Computer Security Official
- CTOs: Contract Task Orders.
- DOD: Department of Defense
- ESMD: Exploration Systems Mission Directorate
- ETDP: Exploration Technology Demonstration Program
- GFE: Government Furnished Equipment
- IMS: Inductive Monitoring System
- ISRDS: Intelligent Systems Research and Development Support
- IT: Information Technology
- ITRDO: Information Technology Research, Development, and Operations
- LCROSS: Lunar CRater Observation and Sensing Satellite
- MOD: Mission Operations Directorate
- MOS: Mission Operations Systems
- NASA: National Aeronautics and Space Administration
- POC: Point of contact – the designated contact person
- SACE: Solar Array Constraint Engine
- SMD: Science Mission Directorate
- SOMD: Space Operations Mission Directorate
- SOW: Statement of Work
- SSO: Small Spacecraft Office
- STAR: Scheduling, Training Administration, and Records
- VSE: Vision for Space Exploration

2.0 SCOPE OF WORK

The Contractor shall provide research support in the following research domains: artificial intelligence (AI), knowledge-based systems, knowledge discovery and data mining, soft computing (including neural networks and fuzzy control methods), nanotechnology information processing and sensors, biologically inspired computer systems and human extensions, prognostic signal analysis, model-based diagnostic reasoning, software fault diagnostic and automated software methodologies, fault-tolerant computing hardware and networking, tele-presence and tele-control of remote, mobile platforms, autonomous and adaptive control, integrated design, human-centered computing, system design of a distributed heterogeneous network of workstations, and distribution of research information in various formats and forums.

The following descriptions represent the Government's best effort to project future research support requirements. Due to the Research and Development nature of Code TI's missions, the descriptions should not be regarded as definitive representations of future research support requirements.

The contractor shall be responsible for providing a flexible, responsive, coordinated, and comprehensive research mission services that are adjustable within the framework of a series of individual Contract Task Orders (CTOs). The Government will use a task completion oriented CTO as the vehicle to acquire research and development from the contractor. Task orders will contain defined requirements (such as deliverables, significant milestone dates), negotiated cost and maximum fee, and established performance measurement criteria.

The Contractor shall administer all work to be performed under this contract, and assure the availability of qualified personnel for timely response to negotiated CTOs. Individual task plans shall be negotiated and managed on a per task basis. For each task, technical progress and resource expenditures shall be reported monthly by the Contractor to the Government.

2.1 Contract Management

The Contractor shall provide overall management and administrative functions to ensure that the proper resources are available and allocated, that required reports and documentation are prepared, and that the overall environment supports the research requirements. The Contractor shall perform the following:

- (1) Manage the contract in a fiscally responsible manner, fulfilling all requirements of negotiated CTOs.
- (2) Provide a well-defined, stable organizational structure with clear lines of authority and clearly identified interfaces to the Government.
- (3) Provide secretarial and financial services for their employees.

- (4) Provide staff with previous training in state-of-the-art information technologies.
- (5) Comply with Government policies and regulations including the Ames Management System (AMS) and relevant AMS policies (See Section 3.0)
- (6) Manage the resources allocated by NASA for specific tasks in a manner to ensure research goals are reached in accordance with agreed upon milestones.
- (7) Develop, implement and maintain a discrepancy reporting and tracking system. Discrepancy reports may be issued by the Contractor as well as by NASA regarding technical, resource or financial issues that may prevent meeting milestones or the performance of the task. The system shall assure that all discrepancies are documented and resolved. Discrepancy histories shall be reviewed for indications of systematic or recurring problems for future improvements that require correction.
- (8) Provide a monthly report of the state of all tasks, identifying accomplishments, publications, and major milestones reached as well as problems and concerns over issues that may affect contract performance along with the recommended solutions.
- (9) Provide property management to ensure accountability for installation-provided equipment and facilities and shall be responsible for annual inventory surveys and accountability verification forms.
- (10) Provide the risk management activities that will be used to ensure that the Government has adequate insight into the risks associated with the Contractor's ability to accomplish tasks outlined in any CTO.

2.2 Technical Task Support

It is anticipated that the Contractor staff shall perform the following functions as required on a per task order basis:

- (1) Collaborate and exchange technical information with the Government research staff in order to meet the requirements of each CTO.
- (2) Provide research support on a task-by-task basis, including direct research functions and indirect support such as technical and programmatic reviews.
- (3) Provide short turn-around deliverables for specific project milestones as needed and within the time frame outlined in the approved CTO.
- (4) Support in project and deliverable conformance to relevant standards and practices (configuration management, system integration requirements, etc).
- (5) Support technology infusion/deployment efforts with NASA customers.
- (6) Attend and participate in group and project meetings.
- (7) Present research, work in progress, and results to civil service management and at local and international conferences.
- (8) Support (occasionally short-notice) preparations for demonstrations and presentations of research, work in progress, and results to visitors and technical delegates, including supporting and/or hosting of technical workshops as needed.

- (9) Travel as needed to conferences, field sites, universities, and other agencies in the performance of research, integration of products, technology infusion, and other important demonstration of results.
- (10) Acquire resources (equipment, furnishings, supplies) needed to support the successful completion of all CTO and related work.

2.3 Technology Areas (Core Research)

The Intelligent Systems Division performs core research in four technology areas. As the research matures or as projects require, work from these areas can be matrixed to support a single task, project or program.

Technology Area 1: Autonomous Systems and Robotics (ASR)

The Contractor shall support the missions of the Autonomous Systems groups, consisting principally of three main sub-areas: (a) planning and scheduling, (b) robotics, and (c) control agent architectures.

The Contractor will be involved in research, develop, and deploy automated reasoning methods and decision support methods for autonomous systems. Such work includes enabling the design, construction, simulation, and operation of a new generation of systems that can act autonomously, as well as in support of humans, while achieving more science return at much lower cost than current approaches. Autonomous systems require developing autonomous control kernels (commanded by high-level, goal-directed behaviors) that are programmable through compositional, common-sense models of hardware and operations behavior. Such systems also require developing on-board automation to close the loop on sensor information at the goal level, using advanced planning, scheduling, execution, diagnosis, and recovery capabilities to ensure that goals are met. Autonomous systems must take action to gain information, assess mission risk, plan contingencies, prepare backup resources, redirect plans to reduce risk, learn from their interactions with their environment, and adapt in real-time. Thus, the Contractor shall perform research and develop distributed coordination and collaboration capabilities that enable autonomous systems to act as teams.

The Contractor shall employ a broad range of Artificial Intelligence (AI) methods such as model-based reasoning and simulation, planning and scheduling, constraint-based reasoning, local and global optimization, decision theory, machine learning, intelligent synthesis, multi-agent coordination, and other innovative or traditional techniques to the missions and tasks. The contractor will provide software development support with state of the art experience in C++, Java and other modern programming languages.

Technology Area 2: Collaborative & Assistant Systems (CAS)

The Contractor shall support the missions of the Collaborative and Assistant Systems groups. The Contractor shall research, develop, and apply methods that

provide computer-based support for daily work activities of scientists, engineers, managers, and operational support personnel contributing to major NASA Aeronautics and Space Programs. The Contractor will be involved in research, development and operational sustainment activities that require analysis of work environments, technology needs, and communication patterns. The Contractor shall design and develop advanced collaboration, communication, and performance support systems, and deliver these on conventional and mobile computing platforms. They shall employ and integrate a broad range of technologies including collaborative systems design, groupware, work systems simulation, information indexing and retrieval, intelligent interfaces, adaptive systems, wireless technologies, information visualization, intelligent agents, data/information analysis techniques, knowledge-based systems, and other innovative or traditional approaches. The Contractor shall focus application efforts so as to satisfy mission requirements in major NASA Programs such as Earth Sciences, Space Sciences, Human Exploration and Development of space, Space Operations, Airspace Systems and Aviation Safety and Security.

A recent example of such an application effort was the development of the Semantic Organizer distributed science and engineering support environment, a computer-supported cooperative work application. Such work involves both science and engineering code development, and the specification, design, development, and integration of codes for use by a science and engineering user community. The task thus includes substantial communication and interfacing with a broad range of users in order to understand the needs that drive development requirements, in addition to the development of the hardware and software systems to support the resultant application.

Technology Area 3: Discovery and Systems Health (DaSH)

The Contractor shall support the objectives of the Health Management Systems; ISHM Technology Maturation; Modeling, Learning and Control; and Intelligent Data Understanding groups. Such support shall include research, development, and the application of advanced software technology and methods for enhanced scientific and engineering data analysis, basic and applied knowledge discovery, and reduction of operational and lifecycle costs in major NASA Aeronautics and Exploration Programs. Advanced software technology includes the development of algorithms that support modeling, simulation, diagnosis, prognostics, data mining, analysis and display. Specific support will be in the development and deployment of advanced algorithms, such as model-based diagnosis, prognostic life estimation models, traditional machine learning, learning from partial or incomplete models, Bayesian and other statistical and model-based learning methods.

The Contractor shall be required to apply these model-based and data-driven technologies toward aiding users in extracting a variety of types of information and knowledge from diverse and heterogeneous data-sets, codifying new formal relations between data that act as partial models, and solving problems of large-scale data analysis and optimization.

The main products from this technology area are advanced software tools and applications, applicable to a wide range of internal NASA programs and external activities including aviation security applications with other national agencies and spacecraft applications with other government agencies.

Technology Area 4: Robust Software Engineering (RSE)

The Contractor shall support the objectives of the Robust Software Engineering group. Robust software engineering is focused on the development and infusion of advanced software engineering tools into NASA missions, principally within Constellation and Aeronautics. The area has a long history of developing landmark advances in software engineering tools and case studies on NASA software. The emphasis will be on maturation and adaptation of the tools so they can be incorporated directly into the software development and verification process used in different NASA missions. In order to do this, the tools will need to be adapted to interoperate with specific commercial tools already chosen within targeted NASA projects. For example, Project Orion will use commercial UML/autocoding tools (Kennedy Carter) and Mathworks tools as key parts of the software development chain. Interfacing to these commercial tools is essential in order to have RSE tools for test-case generation, autocode verification, and model analysis adopted by Project Orion.

To support the goals of RSE, contractor shall provide:

- Model Analysis (includes former compositional verification and aspects of previous formal methods)
- Autocode Verification (formerly Program Synthesis)
- Automated verification and validation (V&V).
- Advanced Testing
- Mathematical approaches to program verification
- Software design verification
- Software engineering

The main products expected from both sub-areas are advanced software tools. The Contractor shall report research results in appropriate technical journals, and at conferences and workshops.

2.4 Software Systems Engineering and Software Project Management

In addition to being a fundamental research organization, the Division will also develop and deploy applications to customers at other NASA Centers, other Federal agencies, and industry. These applications are infusions of technology developed through Division research. The focus of this area is to apply standard engineering practices to deliver reliable applications, within schedule, and within budget. Current projects include:

1. The ARC **Small Spacecraft Office (SSO)** develops, launches, and operates small space missions using a low-cost methodology. The objective is to develop missions in less time, at lower cost, and capable of delivering highly useful scientific and technical payloads in order to aid future NASA missions. One of the primary goals is to develop the capability within NASA to have space vehicles that could be deployed faster and cheaper than conventional spacecraft today in order to expand the number of flight opportunities and to take advantage of the latest technologies through shorter development cycles. In order to achieve low cost access to space, we look at alternative launch vehicles, as well as hardware developed under past and current Department of Defense (DoD) investments.

The activities of the Small Spacecraft Office include technology evaluation, proposal development, spacecraft hardware development, and mission implementation and operations. The SSO evaluates technology and processes that can enable low-cost spacecraft development, such as structures, avionics, sensors, flight software, propulsion, integration and testing, and mission operations. These components are used to develop full mission proposals that, if selected, could lead to mission development projects. Current projects include earth orbiting nano- and micro-spacecraft, as well as deep-space spacecraft bus designs.

2. **Lunar Crater Observation and Sensing Satellite (LCROSS) Mission Operations Systems (MOS)** – The LCROSS mission will advance the Vision for Space Exploration (VSE) by identifying water ice at the moon's South Pole. The Division's role is to develop, deploy and operate the LCROSS Mission Operations Center (MOC) as well as the Ground Data System (GDS) which integrates a set of ground software, hardware, facilities and networks that support the development and mission operations.
3. **Johnson Space Center Mission Operations Directorate (MOD) projects** –
 - a. Solar Array Constraint Engine (SACE) – assists the Power, Heating, Articulation, Lighting and Control (PHALcon) flight controllers to manage the orientation and operation of the new ISS solar arrays.
 - b. Inductive Monitoring System (IMS) – monitor and compare the multiple telemetry streams from the ISS control moment gyros to provide decision support.
 - c. Scheduling, Training Administration, and Record (STAR) – develops replacement tool suites for the management of training space flight crews and flight controllers as well as the scheduling of heavily constrained resources across mission operations.

In order to successfully support the development and deployment of such projects, expertise will be required in:

- (1) system architecture design
- (2) system configuration definition and implementation

- (3) security requirements during the system design
- (4) integration of project systems into the division facility
- (5) development and design of laboratories and testbeds for the various technologies
- (6) network management of infrastructure to support project requirements
- (7) security plan development for systems and projects
- (8) configuration and security control of real time operating systems
- (9) setup and configuration of avionics hardware testbed platforms
- (10) security and customization of embedded operating systems and micro-kernels

The Contractor shall be responsible for communicating knowledge about Information Technology (IT) to non-technical audiences. The group designs, develops and distributes informational products in a wide variety of output formats including written, graphical, electronic, video, audio, multimedia, and live or static demonstrations.

Contractors working within this group shall perform the following tasks:

- (1) Technical writing and editing
- (2) Web site content development and maintenance
- (3) Technology group interface (for developing project requirements and acquiring data)
- (4) Accomplishment and highlight reports to line and program management
- (5) Compile and update research portfolios for line and program management

3.0 QUALITY ASSURANCE

In support of CTOs issued, the Contractor shall comply with, and be an integral part of the Ames Management System. This includes following applicable Ames' procedures that are subject to audit. The Contractor shall attend relevant training, provided by the Government, as required for all on-site employees. Specific procedures will be indicated on each task order response. These procedures include, but are not limited to, the following AMS documents:

NPD 1280.1	NASA Management Systems
APR 1280.1	Ames Management System (AMS)
NPD 8730.5	NASA Quality Assurance Program Policy

The Ames' Quality System documents can be found at: <http://ams.arc.nasa.gov>

4.0 DELIVERABLES

Products and services requirements shall be defined in each task order.

5.0 PHASE-IN/PHASE-OUT

Phase-In: The phase-in process shall be accomplished as expeditiously as possible, with a maximum phase-in period of 30 days. The phase-in process shall not adversely impact the work being done by the outgoing contractor. It shall be conducted in a manner consistent with safe operation requirements. The incoming contractor is responsible for providing a qualified contractor staff by the end of the phase-in period.

Phase-Out: Upon completion of this contract, the outgoing contractor is responsible for the orderly transfer of duties and records to the incoming contractor. This should be accomplished in an expeditious manner, consistent with any contract phase-in schedule, while minimally impacting ongoing task orders. The contractor shall submit a phase-out plan no later than 60 days before the end of the contract for Government review and approval.

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 1	2. DRL TITLE Monthly Progress Report	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submittal upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS Contracting Officer (CO), Code JAC, M/S 241-1 (1 cy electronic) Contracting Officer's Technical Representative (COTR) Code TI, M/S 269-1 (1 cy electronic) Task Requestor listed on Task Order				
The Contractor shall submit a monthly progress report no later than the 15th day of the month following the month to be reported. The monthly progress report should discuss the business, management and technical aspects for each Task Order. The report shall contain at least the following: (1) a brief status summary in narrative form; (2) any current or anticipated issues or problems which may impede performance, and recommended actions to resolve these for both the Government and the Contractor; (3) staffing data, (4) discussion of achieving deliverables and milestone schedules, and (5) include that required by Clause H.4. ADDITIONAL REPORTS OF WORK - RESEARCH AND DEVELOPMENT (NFS 1852.235-74) (FEB 2003).				

1. LINE ITEM NO. 2	2. DRL TITLE Non-Disclosure Agreements	3. FREQUENCY Once	4. SUBMISSION DATE Prior to Starting Work	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input checked="" type="checkbox"/> Submittal upon request <input type="checkbox"/> Submittal upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS CO, Code JAC, M/S 241-1 (1 cy electronic) Code TI, M/S 269-1 (1 cy electronic) Task Requestor listed on Task Order				
All contractor personnel shall be required to sign non-disclosure agreements prior to starting work and may be required to sign Center, contract, and/or contractor specific non-disclosure agreements as part of the closing of certain specific contractual agreements.				

1. LINE ITEM NO. 3	2. DRL TITLE Mishap Report	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input checked="" type="checkbox"/> Submittal upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS CO, Code JAC, M/S 241-1 (1 cy electronic) Code TI, M/S 269-1 (1 cy electronic) Office of Occupational Safety, Health, and Environmental Services NASA-Ames Research Center, Code QH, , MS/218-1 (1 copy)				
The Contractor shall submit NF 1627, NASA Mishap Report within one working day after the occurrence of any mishap.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 4	2. DRL TITLE Contractor Monthly Accident Report	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
CO, Code JAC, M/S 241-1 (1 cy electronic) Code TI, M/S 269-1 (1 cy electronic) Office of Occupational Safety, Health, and Environmental Services NASA-Ames Research Center, Code QH, MS/237-1 (1 copy)		8. REMARKS The contractor shall submit Form ARC 15, Monthly Safety and Health Report, no later than 15 calendar days after the end of each month in accordance with NFS clause 1852.223-70, Safety and Health. ARC collects this data in the Contractor Monthly Accident Reporting (CMAR) web-based system, through the submission of a monthly form which is located at http://cmar.arc.nasa.gov		

1. LINE ITEM NO. 5	2. DRL TITLE Subcontracting Report (SF 294)	3. FREQUENCY Semi-annually	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
CO, Code JAC, M/S 241-5 (original) Small Business Specialist, Code JAB, M/S 241-1 (1 cy)		8. REMARKS The contractor shall submit Standard Form 294, utilizing the Electronic Subcontract Reporting System (eSRS), in accordance with the instructions provided on the reverse of the form and in accordance with the Section I FAR clause 52.219-9, <i>Small Business and Small Disadvantaged Business Subcontracting Plan</i> . The SF 294 is due 30 days after the close of each reporting period. Reporting periods end March 31 and September 30. A report is also due at contract completion. NASA has prepared a website for use when submitting the SF 294 https://prod.nais.nasa.gov/srs/iSRS_registration_help.html . Use of this website is optional, but preferred.		

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 6	2. DRL TITLE Summary Subcontracting Report (SF 295)	3. FREQUENCY Semi-annually	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal		7. DISTRIBUTION <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Gov't Approval Required		
8. REMARKS The contractor shall submit Standard Form 295 in accordance with the instructions provided on the reverse of the form and in accordance with the Section I FAR clause 52.219-9, <i>Small Business and Small Disadvantaged Business Subcontracting Plan</i> . The SF 295 is due 30 days after the close of each reporting period. Reporting periods end March 31 and September 30. NASA has prepared a website for use when submitting the SF 295 reports https://prod.nais.nasa.gov/srs/SRS_registration_help.html . Use of this website is optional, but preferred.				

1. LINE ITEM NO. 7	2. DRL TITLE Patent Rights—Retention by the Contractor (Short Form) or New Technology Report	3. FREQUENCY Annual	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal		7. DISTRIBUTION <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Gov't Approval Required		
8. REMARKS The Contractor shall submit Patent Rights—Retention by the Contractor (Short Form) or New Technology Report in accordance with FAR clause 52.227-11, <i>Patent Rights-Retention by the Contractor (Short Form)</i> as modified by NFS clause 1852.227-11, NFS 1852.227-70, <i>New Technology</i> and NFS clause 1852.227-72, <i>Designation of New Technology Representative and Patent Representative</i> . Interim reports shall be submitted annually. If there are no reportable items, a negative report is required.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 8	2. DRL TITLE Subcontract Consent Package	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal		Submitted upon request <input type="checkbox"/> Gov't Approval Required		
7. DISTRIBUTION		8. REMARKS		
CO, Code JAC, M/S 241-1 (1 cy) The Contractor shall submit subcontract consent package(s) in accordance with FAR 52.244-2 or as specifically requested by the Contracting Officer.				

1. LINE ITEM NO. 9	2. DRL TITLE RESERVED	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input type="checkbox"/> Scheduled submittal		Submitted upon request <input type="checkbox"/> Gov't Approval Required		
7. DISTRIBUTION		8. REMARKS		

1. LINE ITEM NO. 10	2. DRL TITLE Property Management Report	3. FREQUENCY Quarterly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal		Submitted upon request <input type="checkbox"/> Gov't Approval Required		
7. DISTRIBUTION		8. REMARKS		
CO, Code JAC, M/S 241-1 (1 cy electronic) Equipment Management Specialist, Code JFS, M/S 255-2 (1 cy) The Contractor shall submit a Property Management Report itemizing all purchases for the quarter. All orders, items received, and prices must be included. The Contractor shall use DD Form 1149, <i>Requisition and Invoice/Shipping Document</i> , to report Government property that is centrally reportable equipment to the NASA Equipment Management System (NEMS): 1) at the time of receipt and acceptance of accountability; 2) when major changes occur in the data initially submitted to NASA; and, 3) when the equipment is no longer required for or actively being used in pursuit of this contract. The Contractor shall indicate the current condition code of equipment reported pursuant to (3) above. Reportable data shall be forwarded through the contracting officer within 15 working days after the event that created the need for their preparation and shall be marked "FOR NEMS".				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC.

INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)

CONTRACT/RFP NO.

NNA08CG83C

DRL DATE/MOD DATE

MOD 2 JULY 2009

1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
11	Initial Financial Management Report	See Remarks	See Remarks	See Distribution
6. DATA TYPE:		<input checked="" type="checkbox"/> Scheduled submittal	<input type="checkbox"/> Submitted upon request	<input type="checkbox"/> Gov't Approval Required
7. DISTRIBUTION				
CO, Code JAC, M/S 258-5 (1 cy)				
Electronic submission to:				
COTR, Code TI, M/S 269-1 (1 cy)				
Resource Management Specialist, Code TI, M/S 269-1 (1 cy)				
Financial Management Division, Code CF, M/S 203-18 (1 cy)				
Resources Management Office (RMO), Code CR, M/S 237-9 (1 cy)				
8. REMARKS				
Submission 30 days after effective date of contract.				
An initial financial management report shall be submitted by the Contractor and each major subcontractor on NASA Form 533Q (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Procedural Requirements (NPR) 9501.2, NASA Contractor Financial Management Reporting System, located at the URL http://nodis3.gsfc.nasa.gov/displayDir.cfm?Internal_ID=N_PR_9501_002D & page name=main and as set forth below.				
Reporting categories shall be elements of cost including: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; award fee. Reports shall also provide data on planned and actual costs and labor hours, contract projections and estimates to complete. All blocks shall be completed as appropriate.				
NASA strongly encourages the use of electronic contractor cost reporting, where it may benefit the Agency or the contractor, as long as the requirements of this NPG are met and NASA obtains the information it needs to manage its contracts. In particular, electronic reporting should permit the contractor to submit NF 533 reports earlier than the standard due dates. The use of currently available technologies and transmission capabilities to facilitate electronic reporting is also encouraged.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
12	Quarterly Financial Management Report 6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal 7. DISTRIBUTION CO, Code JAC, M/S 241-1 (1 cy) Electronic submission to: COTR, Code TI, M/S 269-1 (1 cy) Resource Management Specialist, Code TI, M/S 269-1 (1 cy) Financial Management Division, Code CF, M/S 203-18 (1 cy) Resources Management Office (RMO), Code CR, M/S 237-9 (1 cy)	Quarterly	See Remarks	See Distribution
		<input type="checkbox"/> Submittal upon request	<input type="checkbox"/> Submitted upon update	<input type="checkbox"/> Gov't Approval Required
8. REMARKS				
Submission not later than the 15 th day of the month preceding the quarter being projected. A quarterly financial management report shall be submitted by the Contractor and each major subcontractor on NASA Form 533Q (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Policy Directive (NPD) 9501.1, <i>NASA Contractor Financial Management Reporting System</i> , located at the URL http://nodis3.gsfc.nasa.gov/library/displayDir.cfm?InternalID=N_PD_9501_001 G & page name=main and as set forth below. Reporting categories shall be elements of cost including: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; fixed fee. Reports shall also provide data on planned and actual costs and labor hours, contract projections and estimates to complete. All blocks shall be completed as appropriate. Formats will be agreed upon between the Contractor, COTR, and Contracting Officer. Variances between planned dollars and actual dollars for each reporting category (at the total contract level only) shall be explained. Contractor estimates can be used if actual data is not available by the required submission date. NASA strongly encourages the use of electronic contractor cost reporting, where it may benefit the Agency or the contractor, as long as the requirements of this NPG are met and NASA obtains the information it needs to manage its contracts. In particular, electronic reporting should permit the contractor to submit NF 533 reports earlier than the standard due dates. The use of currently available technologies and transmission capabilities to facilitate electronic reporting is also encouraged. The Contractor shall segregate Recovery Act funds from non-Recovery Act funds on NASA Form 533, Financial Management Reporting.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
13	<p>Monthly Financial Management Report</p> <p>6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal</p> <p>7. DISTRIBUTION</p> <p>CO, Code JAI, M/S 241-1 (1 cy)</p> <p>Electronic submission to:</p> <p>COTR, Code TI, M/S 269-1 (1 cy)</p> <p>Resource Management Specialist, Code TI, M/S 269-1 (1 cy)</p> <p>Financial Management Division, Code CF, M/S 203-18 (1 cy)</p> <p>Resources Management Office (RMO), Code CR, M/S 237-9 (1 cy)</p>	Monthly	See Remarks	See Distribution
		<p>8. REMARKS</p> <p><input type="checkbox"/> Submittal upon request</p> <p><input type="checkbox"/> Submitted upon update</p> <p><input type="checkbox"/> Gov't Approval Required</p>		
<p>To be delivered no later than the 10th working day after each full month of service. A monthly financial management report shall be submitted by the Contractor and each major subcontractor on NASA Form 533M (or computer-generated version) in accordance with the instructions on the reverse side of the forms and the NASA Policy Directive (NPD) 9501.1, NASA Contractor Financial Management Reporting System, located at the URL http://nodis3.gsfc.nasa.gov/library/displayDir.cfm?internal_ID=N_PD_9501_001. G. & page_name=main and as set forth below.</p> <p>Reporting categories shall be elements of cost including: total direct labor hours (excluding subcontract); direct labor hours (subcontractors); direct labor costs; overhead and G&A (Prime Contractor); total direct labor, overhead, and G&A (subcontractors); other direct costs (ODCs), G&A/handling charge on ODCs; total other direct costs; incentive fee. Reports shall also provide data on planned and actual costs and labor hours, Contract Task Order projections and estimates to complete. All blocks shall be completed as appropriate. Formats will be agreed upon between the Contractor, COTR, and Contracting Officer. The Contractor shall provide a variance analysis for significant differentials in the elements of cost between the actual and plan for the current month. Additionally, when a differential of 5% or more occurs between the actual and planned total costs, the Contractor will submit a variance analysis. Contractor estimates can be used if actual data is not available by the required submission date. NASA strongly encourages the use of electronic contractor cost reporting, where it may benefit the Agency or the contractor, as long as the requirements of this NPG are met and NASA obtains the information it needs to manage its contracts. In particular, electronic reporting should permit the contractor to submit NF 533 reports earlier than the standard due dates. The use of currently available technologies and transmission capabilities to facilitate electronic reporting is also encouraged.</p> <p>The Contractor shall segregate Recovery Act funds from non-Recovery Act funds on NASA Form 533, Financial Management Reporting.</p>				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 14	2. DRL TITLE On-Call Schedule	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required		8. REMARKS The Contractor shall submit to the CO and the COTR a schedule containing the employee names, home telephone numbers, and pager numbers of all personnel with on-call support responsibilities, along with their dates of assignment. The schedule shall be submitted not later than the 5 th working day of the month and within 1 working day after any subsequent changes.		
7. DISTRIBUTION CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic)				

1. LINE ITEM NO. 15	2. DRL TITLE RESERVED	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
7. DISTRIBUTION				

1. LINE ITEM NO. 16	2. DRL TITLE Phase-Out Plan	3. FREQUENCY Once	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required		8. REMARKS The Contractor shall provide a Phase-Out Plan for the complete and orderly transfer of duties and records to the incoming Contractor. The Plan shall address issues pertinent to the continuation of safe operations for all areas of responsibility under the contract. See ISRDS Statement of Work for additional Phase-Out information.		
7. DISTRIBUTION CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic)				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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17	2. DRL TITLE Safety and Health Plan	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submittal upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS The Contractor shall provide a Safety and Health Plan addressing issues pertinent to safe operation in all areas of responsibility under the contract for review by the Ames Occupational Safety, Health and Medical Services Offices. The plan shall include health and environmental compliance regulations applicable to this contract. The plan is required before contract award as part of the Contractor's proposal and shall be updated in accordance with NFS clause 1852.223-70, Safety and Health.				

18	2. DRL TITLE IT Security Training Report	3. FREQUENCY Monthly	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submittal upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS The Contractor shall submit a listing and an updated listing of all Contractor personnel receiving IT security training pursuant to NFS 1852.204-76 no later than 5 working days after the end of each month.				

19	2. DRL TITLE IT Security Plan	3. FREQUENCY Once	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submittal upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS The Contractor shall prepare and submit an IT Security Plan for Government approval in accordance with NFS clause 1852.204-76 within 30 days after contract award.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFP NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 20	2. DRL TITLE NASA Position Designation Record, NASA Form (NF) 1722	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic) Protective Services Office, Code JP (1 cy)				
8. REMARKS In accordance with NPR 1600.1, NASA Security Program Procedural Requirement, the Contractor shall complete a NF 1722 for each employee and new hire. The NF 1722 shall be completed within 10 working days from date of hiring.				

1. LINE ITEM NO. 21	2. DRL TITLE Organizational Conflicts of Interest Avoidance Plan	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic)				
8. REMARKS The Organizational Conflicts of Interest Avoidance Plan shall be provided by the contractor with submission of the proposal. This plan shall incorporate any previous studies performed, shall thoroughly analyze all organizational conflicts of interest that might arise because the service provider has access to companies' sensitive information and shall establish specific methods to control, mitigate, or eliminate all problems identified. The plan shall address all the requirements identified in Section H, paragraph H.10, Organizational Conflicts of Interest, and Limitation on Future Contracting and Section I, paragraph I.1, NFS 1852.237-72, Access to Sensitive. The plan is required upon submission of proposal.				

1. LINE ITEM NO. 22	2. DRL TITLE RESERVED	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
8. REMARKS				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFQ NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO. 23	2. DRL TITLE Quarterly Report of Purchases	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic) Supply and Equipment Management Officer (SEMO), M/S 255-2 (1 cy electronic)				
8. REMARKS The Contractor shall comply with the requirements of NFS 1852.245-71, INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (SEP 2007)(ALT 1)(DEVIATION)(SEP 2007). The Contractor shall submit the Quarterly Report of Purchases no later than 5 working days after the end of each quarter.				

1. LINE ITEM NO. 24	2. DRL TITLE DD 1419-- DOD Industrial Plant Equipment Requisition	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input checked="" type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION				
CO, Code JAC, M/S 241-1 (1 cy electronic) COTR, Code TI, M/S 269-1 (1 cy electronic) SEMO, M/S 255-2 (1 cy electronic)				
8. REMARKS The Contractor shall comply with the requirements of NFS 52.245-70, CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED PROPERTY (NFS 1852.245-70) (DEVIATION)(SEP 2007). The Contractor shall submit a DD Form 1419, DOD Industrial Plant Equipment Requisition, or equivalent format upon determination of need for any Government-owned equipment item for performance of this contract, and at least 30 days in advance of the date the contractor intends to acquire the item. Contractors who are authorized to conduct their own screening using the NASA Equipment Management System (NEMS) and other Government sources of excess property shall provide the evidence of screening results with their request for contracting officer consent. Requests to purchase based on unsuitability of items found shall include rationale for the determined unsuitability.				

DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. INTELLIGENT SYSTEMS RESEARCH AND DEVELOPMENT SUPPORT (ISRDS)		CONTRACT/RFQ NO. NNA08CG83C	DRL DATE/MOD DATE MOD 2 JULY 2009
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1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
25	American Recovery and Reinvestment Act – Reporting Requirements	Quarterly	See Remarks	See Distribution
6. DATA TYPE: Scheduled submittal		Submitted upon request		Gov't Approval Required
7. DISTRIBUTION Electronically as described in the remarks section. Email notification shall be sent to the CO once each submission is completed.		8. REMARKS Submission shall be in accordance with FAR clause 52.204-11. The clause requires contractors to utilize the tool at www.FederalReporting.gov to report first-tier subcontracts, executive compensation, and jobs created or retained, work progress, and amount invoiced, among other things. The Federal Reporting website is publically available and the information reported by Federal contractors will serve to provide transparent information on the use and effectiveness of Recovery Act funds.		

Time is defined as follows: "Time" if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on Saturday, Sunday, or legal holiday, then the period shall include the next working day."

J.1a Attachment 4

ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
1363220	ANALYZER, LOGIC	1661A	HEWLETT-PACKARD CO	\$10,028	19940718
1607725	CAMCORDER, DIGITAL	PC120	SONY CORP	\$2,034	20020523
3003096	CAMCORDER, DIGITAL	ELURA 70	CANON CAMERA CO INC	\$799	20040810
1607836	CAMCORDER, MINI	NONE	CANON HI-TECH LTD	\$1,135	20040305
1555432	CAMERA, COMPUTER VIDEO	CMNB006C	SILICON GRAPHICS INC	\$900	19950531
1556173	CAMERA, COMPUTER VIDEO	CMNB006C	SILICON GRAPHICS INC	\$2,500	19960429
1608342	CAMERA, DIGITAL	PHOTO PC7502	EPSON AMERICA INC	\$799	19990413
3003123	CAMERA, PANORAMIC	SNC-RZ30N	SONY CORP	\$1,367	20040708
3029646	CAMERA, RANGE	SR3000	MESA IMAGING	\$6,850	20070817
819738	CAMERA, TELEVISION	TM6705	PULNIX AMERICA INC	\$1,956	19970625
1971281	CAMERA, VIDEO	ES2500	CANON CAMERA CO INC	\$599	19981218
1968497	CAMERA, VIDEO	VC-C3	CANON CAMERA CO INC	\$1,259	19990329
2071925	CAMERA, VIDEO	EVI-D30	SONY CORP	\$1,124	20010201
2071926	CAMERA, VIDEO	EVI-D30	SONY CORP	\$1,124	20010201
2071927	CAMERA, VIDEO	EVI-D30	SONY CORP	\$1,124	20010201
1609981	CAMERA, VIDEO	DCR-PC110	SONY CORP	\$1,996	20010813
1630134	CHANGER, TAPE	M1500	QUANTUM CORP	\$10,976	20050714
1607771	COMPUTER, HAND HELD	3850	COMPAQ COMPUTER CORP	\$781	20020910
1801962	COMPUTER, MICRO	SYS-DS233K6WI	UNKNOWN MFG NAME	\$4,685	19970909
1967200	COMPUTER, MICRO	1300	SUN MICROSYSTEMS INC	\$11,357	19980708
1971289	COMPUTER, MICRO	7100MMX	HEWLETT-PACKARD CO	\$7,096	19981218
1971290	COMPUTER, MICRO	D6331T	HEWLETT-PACKARD CO	\$14,011	19981218
1968383	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$3,900	19990111
1968397	COMPUTER, MICRO	MMP	DELL COMPUTER CORP F-PC'S LTD	\$3,237	19990325
1968514	COMPUTER, MICRO	M5183	APPLE COMPUTER INC	\$2,776	19990331
1971449	COMPUTER, MICRO	550Pii	DELL COMPUTER CORP F-PC'S LTD	\$5,501	19990726
1971508	COMPUTER, MICRO	MP3600/35W4	UNKNOWN MFG NAME	\$4,898	19990805
1971541	COMPUTER, MICRO	M5183	APPLE COMPUTER INC	\$2,891	19990903
1972517	COMPUTER, MICRO	1W	DELL COMPUTER CORP F-PC'S LTD	\$6,000	19990917
1972515	COMPUTER, MICRO	1W	DELL COMPUTER CORP F-PC'S LTD	\$6,000	19990917
1972693	COMPUTER, MICRO	450P	DELL COMPUTER CORP F-PC'S LTD	\$5,702	20000310
1972735	COMPUTER, MICRO	NONE	UNKNOWN MFG NAME	\$4,698	20000601
1972736	COMPUTER, MICRO	NONE	UNKNOWN MFG NAME	\$4,698	20000601
1974875	COMPUTER, MICRO	M5183	APPLE COMPUTER INC	\$2,372	20000921
1609969	COMPUTER, MICRO	NONE	UNKNOWN MFG NAME	\$7,330	20000928
1975172	COMPUTER, MICRO	NONE	COMPAQ COMPUTER CORP	\$17,279	20001004
2071318	COMPUTER, MICRO	8100	DELL COMPUTER CORP F-PC'S LTD	\$4,012	20010103
1975236	COMPUTER, MICRO	NONE	LINUX COMPUTER SYSTEMS	\$1,170	20010228
1975259	COMPUTER, MICRO	E2	DELL COMPUTER CORP F-PC'S LTD	\$4,232	20010327
1975242	COMPUTER, MICRO	MILLENNIA MAX	MICRON COMPUTER INC	\$1,890	20010327
2072325	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,192	20010418
2072369	COMPUTER, MICRO	NONE	UNKNOWN MFG NAME	\$1,596	20010618
2072476	COMPUTER, MICRO	M8493	APPLE COMPUTER INC	\$2,495	20010911
2074690	COMPUTER, MICRO	MMMP	DELL COMPUTER CORP F-PC'S LTD	\$1,343	20011220
2074700	COMPUTER, MICRO	M8493	APPLE COMPUTER INC	\$2,964	20020104
2074709	COMPUTER, MICRO	530	DELL COMPUTER CORP F-PC'S LTD	\$4,034	20020109
2074708	COMPUTER, MICRO	530	DELL COMPUTER CORP F-PC'S LTD	\$4,034	20020109
2074686	COMPUTER, MICRO	AMES	DELL COMPUTER CORP F-PC'S LTD	\$1,620	20020122
2075670	COMPUTER, MICRO	NONE	UNKNOWN MFG NAME	\$1,432	20020201
2074717	COMPUTER, MICRO	530	DELL COMPUTER CORP F-PC'S LTD	\$2,500	20020225
2075690	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$4,170	20020228
2075696	COMPUTER, MICRO	M8493	APPLE COMPUTER INC	\$2,248	20020305
2075693	COMPUTER, MICRO	AMES	APPLE COMPUTER INC	\$1,406	20020312
2075298	COMPUTER, MICRO	EV0600	COMPAQ COMPUTER CORP	\$3,920	20020325
2075306	COMPUTER, MICRO	DIMENSION 400	DELL COMPUTER CORP F-PC'S LTD	\$1,760	20020401

J.1a Attachment 4

ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
2075307	COMPUTER, MICRO	DIMENSION 400	DELL COMPUTER CORP F-PC'S LTD	\$1,760	20020401
2075313	COMPUTER, MICRO	DIMENSION 400	DELL COMPUTER CORP F-PC'S LTD	\$1,760	20020401
2075309	COMPUTER, MICRO	D500	COMPAQ COMPUTER CORP	\$850	20020415
2075325	COMPUTER, MICRO	P3	DELL COMPUTER CORP F-PC'S LTD	\$4,252	20020430
2075337	COMPUTER, MICRO	NONE	FINETEK	\$1,690	20020503
2075379	COMPUTER, MICRO	E2	DELL COMPUTER CORP F-PC'S LTD	\$2,388	20020522
2075419	COMPUTER, MICRO	1S	DELL COMPUTER CORP F-PC'S LTD	\$10,345	20020528
2075422	COMPUTER, MICRO	1S	DELL COMPUTER CORP F-PC'S LTD	\$6,057	20020528
2075417	COMPUTER, MICRO	M8493	APPLE COMPUTER INC	\$3,331	20020605
2075461	COMPUTER, MICRO	E5	DELL COMPUTER CORP F-PC'S LTD	\$2,138	20020611
2128861	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128871	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128872	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128875	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128856	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128860	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128868	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128865	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128870	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128858	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128877	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128862	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128859	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128863	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128866	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128873	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128878	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$10,195	20020613
2128880	COMPUTER, MICRO	E2	DELL COMPUTER CORP F-PC'S LTD	\$2,658	20020618
2128879	COMPUTER, MICRO	E2	DELL COMPUTER CORP F-PC'S LTD	\$2,658	20020618
2128933	COMPUTER, MICRO	PP01X	DELL COMPUTER CORP F-PC'S LTD	\$4,840	20020628
2128495	COMPUTER, MICRO	G4 933	APPLE COMPUTER INC	\$2,299	20020702
2128923	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$4,793	20020702
2128924	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,753	20020702
2128953	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,719	20020710
2128950	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$6,012	20020711
2128951	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$6,012	20020711
2128905	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,366	20020716
2128904	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,153	20020718
2129005	COMPUTER, MICRO	OC	DELL COMPUTER CORP F-PC'S LTD	\$1,412	20020723
2128996	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$1,512	20020726
2129016	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$3,408	20020805
3003124	COMPUTER, MICRO	845SD	MSI DATA CORP	\$1,263	20020816
2103811	COMPUTER, MICRO	NONE	VISION COMPUTERS INC	\$2,000	20020822
2128583	COMPUTER, MICRO	G4	APPLE COMPUTER INC	\$3,132	20020922
2103715	COMPUTER, MICRO	G4	APPLE COMPUTER INC	\$10,611	20020922
2103861	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,168	20020925
2103877	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$4,421	20020927
2103903	COMPUTER, MICRO	M8570	APPLE COMPUTER INC	\$2,916	20021003
2103907	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$1,264	20021010
2103932	COMPUTER, MICRO	Z05S	APPLE COMPUTER INC	\$1,999	20030114
3000541	COMPUTER, MICRO	M8570	APPLE COMPUTER INC	\$3,184	20030505
3000561	COMPUTER, MICRO	650	DELL COMPUTER CORP F-PC'S LTD	\$5,866	20030528
3000603	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,376	20030717
3000582	COMPUTER, MICRO	8300	DELL COMPUTER CORP F-PC'S LTD	\$2,072	20030721
3000630	COMPUTER, MICRO	360	DELL COMPUTER CORP F-PC'S LTD	\$1,410	20030721

J.1a Attachment 4

ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3000615	COMPUTER, MICRO	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$5,025	20030729
3000626	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$5,140	20030731
3000627	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$3,243	20030731
3001189	COMPUTER, MICRO	M8570	APPLE COMPUTER INC	\$1,319	20030818
3001181	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,077	20030818
3001201	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,914	20030820
3001226	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,252	20030909
3001270	COMPUTER, MICRO	8300	DELL COMPUTER CORP F-PC'S LTD	\$3,377	20030917
3001256	COMPUTER, MICRO	XW6000	HEWLETT-PACKARD CO	\$3,988	20030929
3001259	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,905	20031003
3001292	COMPUTER, MICRO	450N	DELL COMPUTER CORP F-PC'S LTD	\$2,894	20031003
3001293	COMPUTER, MICRO	1600C	DELL COMPUTER CORP F-PC'S LTD	\$6,253	20031010
3001260	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,831	20031014
3001306	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,707	20031017
3001303	COMPUTER, MICRO	650N	DELL COMPUTER CORP F-PC'S LTD	\$8,609	20031020
3001311	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$2,253	20031030
3001346	COMPUTER, MICRO	OE	DELL COMPUTER CORP F-PC'S LTD	\$2,894	20031119
3001344	COMPUTER, MICRO	OE	DELL COMPUTER CORP F-PC'S LTD	\$2,894	20031119
3001345	COMPUTER, MICRO	OE	DELL COMPUTER CORP F-PC'S LTD	\$2,894	20031119
3002382	COMPUTER, MICRO	PENTIUM4	DELL COMPUTER CORP F-PC'S LTD	\$2,477	20040116
3002389	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,741	20040122
3002391	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$1,741	20040122
3002431	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3002405	COMPUTER, MICRO	NONE	SONY CORP	\$2,884	20040226
3002437	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3002341	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,248	20040226
3002440	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3002343	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,248	20040226
3002472	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3002462	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3002466	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,430	20040226
3004844	COMPUTER, MICRO	650	DELL COMPUTER CORP F-PC'S LTD	\$4,762	20040312
3002464	COMPUTER, MICRO	NONE	FINETEK	\$2,360	20040412
3003064	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,939	20040506
3003066	COMPUTER, MICRO	NONE	DELL COMPUTER CORP F-PC'S LTD	\$4,035	20040510
3002492	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,629	20040516
3002940	COMPUTER, MICRO	A1047	APPLE COMPUTER INC	\$2,693	20040618
3002944	COMPUTER, MICRO	A1047	APPLE COMPUTER INC	\$2,693	20040618
3003091	COMPUTER, MICRO	PRECISION360	DELL COMPUTER CORP F-PC'S LTD	\$2,442	20040621
3003114	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$2,498	20040629
3003120	COMPUTER, MICRO	SX635811	FINETEK	\$1,520	20040706
3002394	COMPUTER, MICRO	8300	DELL COMPUTER CORP F-PC'S LTD	\$1,982	20040715
3003136	COMPUTER, MICRO	GX270	DELL COMPUTER CORP F-PC'S LTD	\$2,100	20040802
3003137	COMPUTER, MICRO	NONE	FINETEK	\$1,560	20040805
3003142	COMPUTER, MICRO	XBC SB755	SHUTTLE BOX	\$1,305	20040811
3003145	COMPUTER, MICRO	SONATA	ANTEC	\$947	20040811
3003188	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$6,866	20040928
3003189	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$6,866	20040928
3003190	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$6,866	20040928
3003187	COMPUTER, MICRO	WHL	DELL COMPUTER CORP F-PC'S LTD	\$6,866	20040928
3003185	COMPUTER, MICRO	370	DELL COMPUTER CORP F-PC'S LTD	\$2,400	20040928
3003199	COMPUTER, MICRO	470	DELL COMPUTER CORP F-PC'S LTD	\$5,461	20041001
3003201	COMPUTER, MICRO	470	DELL COMPUTER CORP F-PC'S LTD	\$5,461	20041001
3003203	COMPUTER, MICRO	470	DELL COMPUTER CORP F-PC'S LTD	\$5,461	20041001
3003198	COMPUTER, MICRO	8400	DELL COMPUTER CORP F-PC'S LTD	\$2,385	20041015

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3003215	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,282	20041024
3002510	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,849	20041101
3003218	COMPUTER, MICRO	NONE	APPLE COMPUTER INC	\$3,357	20041109
3003180	COMPUTER, MICRO	DIMENSION 4700	DELL COMPUTER CORP F-PC'S LTD	\$2,327	20041110
3003207	COMPUTER, MICRO	670	DELL COMPUTER CORP F-PC'S LTD	\$3,216	20050104
3003238	COMPUTER, MICRO	GX280	DELL COMPUTER CORP F-PC'S LTD	\$1,058	20050614
3004342	COMPUTER, MICRO	9100	DELL COMPUTER CORP F-PC'S LTD	\$2,285	20050627
3004349	COMPUTER, MICRO	XPCSN25P	SHUTTLE INCORPORATED	\$1,700	20050701
3004350	COMPUTER, MICRO	XPCSN25P	SHUTTLE INCORPORATED	\$1,700	20050701
3004353	COMPUTER, MICRO	G5	APPLE COMPUTER INC	\$2,322	20050706
3004360	COMPUTER, MICRO	XPS	DELL COMPUTER CORP F-PC'S LTD	\$2,500	20050722
3004357	COMPUTER, MICRO	9100	DELL COMPUTER CORP F-PC'S LTD	\$2,452	20050722
3004372	COMPUTER, MICRO	MACMINI	APPLE COMPUTER INC	\$755	20050803
3004819	COMPUTER, MICRO	8200	DELL COMPUTER CORP F-PC'S LTD	\$2,600	20050912
3004823	COMPUTER, MICRO	8200	DELL COMPUTER CORP F-PC'S LTD	\$3,000	20050912
3004817	COMPUTER, MICRO	8200	DELL COMPUTER CORP F-PC'S LTD	\$3,290	20050912
3004821	COMPUTER, MICRO	8250	DELL COMPUTER CORP F-PC'S LTD	\$3,332	20050912
3004818	COMPUTER, MICRO	8250	DELL COMPUTER CORP F-PC'S LTD	\$3,332	20050912
3004789	COMPUTER, MICRO	PRECISION 670N	DELL COMPUTER CORP F-PC'S LTD	\$3,881	20050912
3004791	COMPUTER, MICRO	PRECISION 380	DELL COMPUTER CORP F-PC'S LTD	\$1,937	20050912
3004788	COMPUTER, MICRO	380	DELL COMPUTER CORP F-PC'S LTD	\$2,338	20050912
3004815	COMPUTER, MICRO	808621U	IBM	\$1,250	20050920
3004847	COMPUTER, MICRO	PRECISION 380N	DELL COMPUTER CORP F-PC'S LTD	\$1,979	20050929
3004846	COMPUTER, MICRO	LATITUDE D610	DELL COMPUTER CORP F-PC'S LTD	\$2,428	20050929
3004838	COMPUTER, MICRO	GX620 OPTIPLEX	DELL COMPUTER CORP F-PC'S LTD	\$2,036	20050930
3004843	COMPUTER, MICRO	D840 PENTIUM	DELL COMPUTER CORP F-PC'S LTD	\$2,416	20051215
3027011	COMPUTER, MICRO	EMU	DELL COMPUTER CORP F-PC'S LTD	\$4,676	20060412
3027016	COMPUTER, MICRO	GX620	DELL COMPUTER CORP F-PC'S LTD	\$1,564	20060503
3027046	COMPUTER, MICRO	PRECISION 470	DELL COMPUTER CORP F-PC'S LTD	\$2,436	20060522
3027058	COMPUTER, MICRO	380	DELL COMPUTER CORP F-PC'S LTD	\$1,100	20060523
3027051	COMPUTER, MICRO	380	DELL COMPUTER CORP F-PC'S LTD	\$1,105	20060524
3027039	COMPUTER, MICRO	A1177	APPLE COMPUTER INC	\$5,267	20060525
3027054	COMPUTER, MICRO	380	DELL COMPUTER CORP F-PC'S LTD	\$1,104	20060530
3027053	COMPUTER, MICRO	380	DELL COMPUTER CORP F-PC'S LTD	\$1,104	20060530
3027089	COMPUTER, MICRO	PENTIUMD	DELL COMPUTER CORP F-PC'S LTD	\$1,200	20060606
3027024	COMPUTER, MICRO	PP17L	DELL COMPUTER CORP F-PC'S LTD	\$1,359	20060613
3027069	COMPUTER, MICRO	MAC MINI	APPLE COMPUTER INC	\$1,033	20060727
3027124	COMPUTER, MICRO	D620	DELL COMPUTER CORP F-PC'S LTD	\$2,042	20060918
3027114	COMPUTER, MICRO	690	DELL COMPUTER CORP F-PC'S LTD	\$4,738	20060918
3027159	COMPUTER, MICRO	GX620	DELL COMPUTER CORP F-PC'S LTD	\$1,235	20070104
3028370	COMPUTER, MICRO	RAID 3500 GB	APPLE COMPUTER INC	\$7,002	20070214
3028371	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,755	20070215
3028372	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,755	20070215
3028373	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,755	20070215
3028374	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,755	20070215
3028388	COMPUTER, MICRO	A1186	APPLE COMPUTER INC	\$3,135	20070327
3028387	COMPUTER, MICRO	A1186	APPLE COMPUTER INC	\$4,736	20070327
3028465	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,994	20070423
3028466	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,994	20070423
3028467	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,994	20070423
3028468	COMPUTER, MICRO	RAID500GB	APPLE COMPUTER INC	\$10,994	20070423
3028495	COMPUTER, MICRO	XK192	DELL COMPUTER CORP F-PC'S LTD	\$741	20070619
3028500	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$5,592	20070807
3028528	COMPUTER, MICRO	490	DELL MARKETING L. P.	\$2,690	20070814
3029662	COMPUTER, MICRO	Z0D800PLL	APPLE COMPUTER INC	\$2,618	20070910

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3029707	COMPUTER, MICRO	DCCY	DELL MARKETING L. P.	\$1,808	20070912
3029668	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$5,456	20070914
3029672	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$2,252	20071011
3029686	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$2,252	20071011
3029687	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$2,252	20071011
3029688	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$2,252	20071011
3029689	COMPUTER, MICRO	690	DELL MARKETING L. P.	\$2,252	20071011
1630159	COMPUTER, MICRO	2950	DELL MARKETING L. P.	\$20,000	20071011
1630160	COMPUTER, MICRO	2950	DELL MARKETING L. P.	\$20,000	20071011
1630161	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630162	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630163	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630164	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630165	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630166	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630167	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630168	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630169	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630170	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630171	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630172	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630173	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630174	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630175	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
1630176	COMPUTER, MICRO	1950	DELL MARKETING L. P.	\$2,941	20071011
3029715	COMPUTER, MICRO	A1150	APPLE COMPUTER INC	\$5,956	20071011
1630177	COMPUTER, MICRO	XP	SAMSUNG	\$1,099	20071012
2128955	COMPUTER, MICRO, RACK MOUNTED	NONE	ASA COMPUTERS	\$5,441	20020711
2072330	COMPUTER, MINI	750	SUN MICROSYSTEMS INC	\$28,904	19920929
1360028	COMPUTER, MINI	144	SUN MICROSYSTEMS INC	\$10,427	19940118
2072398	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$27,518	19940331
2072389	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$18,722	19950110
2072334	COMPUTER, MINI	750	SILICON GRAPHICS INC	\$28,437	19950111
2072402	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$17,822	19950113
2072400	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$17,822	19950113
2072394	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$74,040	19950517
2072339	COMPUTER, MINI	750	SUN MICROSYSTEMS INC	\$34,135	19950822
2072397	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$24,980	19950822
2072403	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$22,661	19950918
2072405	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$22,455	19950919
1730373	COMPUTER, MINI	CMNB006T150	SILICON GRAPHICS INC	\$12,493	19960924
2072332	COMPUTER, MINI	750	SUN MICROSYSTEMS INC	\$28,163	19961022
1807192	COMPUTER, MINI	1300	SUN MICROSYSTEMS INC	\$15,752	19980128
1807177	COMPUTER, MINI	02 WORKSTATION	SILICON GRAPHICS INC	\$19,833	19980219
1807322	COMPUTER, MINI	1300	SUN MICROSYSTEMS INC	\$15,628	19980327
1807317	COMPUTER, MINI	1300	SUN MICROSYSTEMS INC	\$15,628	19980327
1968368	COMPUTER, MINI	ORIGIN200	SILICON GRAPHICS INC	\$34,578	19980428
1967196	COMPUTER, MINI	1300	SUN MICROSYSTEMS INC	\$11,357	19980708
1967188	COMPUTER, MINI	2360	SUN MICROSYSTEMS INC	\$20,025	19980708
1968487	COMPUTER, MINI	CMNA018	SILICON GRAPHICS INC	\$20,237	19990319
1968428	COMPUTER, MINI	NONE	SILICON GRAPHICS INC	\$8,072	19990322
1972563	COMPUTER, MINI	NONE	SUN MICROSYSTEMS INC	\$52,785	19991214
1975182	COMPUTER, MINI	ULTRA10	SUN MICROSYSTEMS INC	\$6,158	20000927
2072336	COMPUTER, MINI	400	SUN MICROSYSTEMS INC	\$2,732	20010418
2075324	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$995	20020417

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
2075374	COMPUTER, MINI	NONE	SILICON GRAPHICS INC	\$17,015	20020517
2075436	COMPUTER, MINI	NONE	SILICON GRAPHICS INC	\$15,735	20020517
2075400	COMPUTER, MINI	202	SUN MICROSYSTEMS INC	\$1,084	20020524
2075396	COMPUTER, MINI	202	SUN MICROSYSTEMS INC	\$1,084	20020524
2075399	COMPUTER, MINI	202	SUN MICROSYSTEMS INC	\$1,084	20020524
2075385	COMPUTER, MINI	202	SUN MICROSYSTEMS INC	\$1,517	20020524
2103835	COMPUTER, MINI	V880	SUN MICROSYSTEMS INC	\$60,887	20020801
2103807	COMPUTER, MINI	BLADE	SUN MICROSYSTEMS INC	\$7,240	20020827
2103833	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103816	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103815	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103817	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103818	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103819	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103820	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103821	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103822	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103823	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103824	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103825	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103826	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103827	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103830	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103831	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103832	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
2103829	COMPUTER, MINI	104	SUN MICROSYSTEMS INC	\$1,333	20020916
3003084	COMPUTER, MINI	SUN BLADE 1500	SUN MICROSYSTEMS INC	\$3,398	20041028
3003087	COMPUTER, MINI	SUN BLADE 1500	SUN MICROSYSTEMS INC	\$3,398	20041028
1624238	COMPUTER, MINI	V210	SUN MICROSYSTEMS INC	\$2,506	20041028
1624239	COMPUTER, MINI	V210	SUN MICROSYSTEMS INC	\$2,506	20041028
1624240	COMPUTER, MINI	V210	SUN MICROSYSTEMS INC	\$2,506	20041028
1624241	COMPUTER, MINI	V210	SUN MICROSYSTEMS INC	\$2,506	20041028
1624242	COMPUTER, MINI	V210	SUN MICROSYSTEMS INC	\$2,506	20041028
3004356	COMPUTER, MINI	SUNBLADE 1500	SUN MICROSYSTEMS INC	\$3,398	20050714
3003086	COMPUTER, MINI	SUNBLADE 1500	SUN MICROSYSTEMS INC	\$3,398	20050714
3003085	COMPUTER, MINI	SUNBLADE 1500	SUN MICROSYSTEMS INC	\$3,398	20050714
3004773	COMPUTER, MINI	SUNFIRE V240	SUN MICROSYSTEMS INC	\$7,775	20060613
3027132	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$4,745	20060824
3027150	COMPUTER, MINI	XW9300	HEWLETT-PACKARD CO	\$12,794	20061102
3028399	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$12,441	20061208
3028401	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$12,441	20061208
3028398	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$12,441	20061208
3028402	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$12,441	20061208
3028403	COMPUTER, MINI	ULTRA40	SUN MICROSYSTEMS INC	\$12,441	20061208
3028369	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028361	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028362	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028357	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028360	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028355	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028356	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028365	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028363	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028366	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215
3028368	COMPUTER, MINI	ULTRA 40	SUN MICROSYSTEMS INC	\$6,000	20070215

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3028437	COMPUTER, MINI	ULTRA40OPTERON	SUN MICROSYSTEMS INC	\$4,745	20070423
3029647	COMPUTER, MINI	40	SUN MICROSYSTEMS INC	\$4,745	20070817
3029718	COMPUTER, MINI	X4600	SUN MICROSYSTEMS INC	\$46,760	20071011
1967282	COMPUTER, PORTABLE	M4753	APPLE COMPUTER INC	\$3,609	19980819
1967345	COMPUTER, PORTABLE	M4753	APPLE COMPUTER INC	\$2,495	19980918
1971284	COMPUTER, PORTABLE	M3553	APPLE COMPUTER INC	\$5,199	19981218
1971510	COMPUTER, PORTABLE	PCG-Z505S	SONY CORP	\$2,252	19990815
1971540	COMPUTER, PORTABLE	TS30T	DELL COMPUTER CORP F-PC'S LTD	\$4,014	19990903
1972534	COMPUTER, PORTABLE	PPX	DELL COMPUTER CORP F-PC'S LTD	\$5,254	19991004
1972708	COMPUTER, PORTABLE	PP1	DELL COMPUTER CORP F-PC'S LTD	\$5,218	20000401
1975134	COMPUTER, PORTABLE	PCG9241	SONY CORP	\$2,886	20000727
2072320	COMPUTER, PORTABLE	M5884	APPLE COMPUTER INC	\$4,096	20010322
2072416	COMPUTER, PORTABLE	THINKPAD	IBM	\$2,400	20010809
2072451	COMPUTER, PORTABLE	PCG6112	SONY CORP	\$2,495	20010906
2072469	COMPUTER, PORTABLE	PP01L	DELL COMPUTER CORP F-PC'S LTD	\$2,493	20020122
2075338	COMPUTER, PORTABLE	NONE	DELL COMPUTER CORP F-PC'S LTD	\$3,029	20020502
2075415	COMPUTER, PORTABLE	P4	DELL COMPUTER CORP F-PC'S LTD	\$4,696	20020529
2128883	COMPUTER, PORTABLE	C610	DELL COMPUTER CORP F-PC'S LTD	\$3,398	20020621
2128515	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$3,195	20020625
2128512	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$3,195	20020625
2128508	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$3,195	20020625
2128939	COMPUTER, PORTABLE	PCG631R	SONY CORP	\$2,289	20020703
2128926	COMPUTER, PORTABLE	PP01L	DELL COMPUTER CORP F-PC'S LTD	\$2,330	20020703
2129011	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$2,598	20020731
2128999	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$5,166	20020813
2129028	COMPUTER, PORTABLE	PP01X	DELL COMPUTER CORP F-PC'S LTD	\$2,287	20020826
2103859	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$4,522	20021007
2103862	COMPUTER, PORTABLE	PP01L	DELL COMPUTER CORP F-PC'S LTD	\$2,478	20021010
2103923	COMPUTER, PORTABLE	NONE	DELL COMPUTER CORP F-PC'S LTD	\$2,478	20021213
3030559	COMPUTER, PORTABLE	PA3170U3P05	TOSHIBA AMERICAN INFO SYSTEMS	\$545	20021215
2103921	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$2,327	20030109
2072565	COMPUTER, PORTABLE	PCG8D1R	SONY CORP	\$3,350	20030417
3000551	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$3,692	20030528
3000554	COMPUTER, PORTABLE	D800	DELL COMPUTER CORP F-PC'S LTD	\$2,483	20030616
3000570	COMPUTER, PORTABLE	NONE	DELL COMPUTER CORP F-PC'S LTD	\$4,292	20030618
3000576	COMPUTER, PORTABLE	A1013	APPLE COMPUTER INC	\$4,725	20030702
3000597	COMPUTER, PORTABLE	NONE	APPLE COMPUTER INC	\$3,209	20030714
3000580	COMPUTER, PORTABLE	A1010	APPLE COMPUTER INC	\$2,339	20030714
3000607	COMPUTER, PORTABLE	PCG8M2L	SONY CORP	\$2,227	20030716
3000583	COMPUTER, PORTABLE	D600	DELL COMPUTER CORP F-PC'S LTD	\$2,273	20030718
3002393	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$1,799	20030728
3001336	COMPUTER, PORTABLE	NONE	DELL COMPUTER CORP F-PC'S LTD	\$3,682	20030731
3000622	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$1,799	20030801
3000605	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$1,998	20030804
3001174	COMPUTER, PORTABLE	D400T	DELL COMPUTER CORP F-PC'S LTD	\$2,428	20030815
3001194	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$1,985	20030820
3001193	COMPUTER, PORTABLE	PCG671R	SONY CORP	\$1,990	20030822
3001213	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001214	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001208	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001211	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001209	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001210	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001216	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001215	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3001196	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$4,023	20030826
3001212	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001222	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030826
3001223	COMPUTER, PORTABLE	PSGV505XP	SONY CORP	\$1,775	20030827
3001207	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$3,907	20030909
3001197	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$1,889	20030909
3001250	COMPUTER, PORTABLE	A1010	APPLE COMPUTER INC	\$1,788	20030909
3001217	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030925
3001220	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,782	20030925
3001265	COMPUTER, PORTABLE	A1013	APPLE COMPUTER INC	\$3,382	20030927
3001268	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$3,124	20030929
3001305	COMPUTER, PORTABLE	PA3233U1MPC	TOSHIBA AMERICAN INFO SYSTEMS	\$3,340	20031014
3001297	COMPUTER, PORTABLE	8500	DELL COMPUTER CORP F-PC'S LTD	\$4,215	20031024
3001257	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$1,889	20031112
3001258	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$2,091	20031112
3001342	COMPUTER, PORTABLE	P7	DELL COMPUTER CORP F-PC'S LTD	\$4,215	20031119
3001341	COMPUTER, PORTABLE	P7	DELL COMPUTER CORP F-PC'S LTD	\$4,215	20031119
3001334	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$2,339	20031229
3002364	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$2,441	20031229
3002355	COMPUTER, PORTABLE	NONE	TOSHIBA AMERICAN INFO SYSTEMS	\$2,224	20031229
3001330	COMPUTER, PORTABLE	NONE	FUJITSU	\$2,383	20040104
3002381	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$2,347	20040116
1628732	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$1,999	20040123
3002409	COMPUTER, PORTABLE	THINKPAD	INTERNATIONAL BUSINESS MACHINE	\$2,049	20040224
3002441	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$2,384	20040226
3002426	COMPUTER, PORTABLE	PP02X	DELL COMPUTER CORP F-PC'S LTD	\$2,389	20040227
3002400	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$3,129	20040228
3002479	COMPUTER, PORTABLE	INSPIRON	DELL COMPUTER CORP F-PC'S LTD	\$5,552	20040303
3002421	COMPUTER, PORTABLE	INSPIRON	DELL COMPUTER CORP F-PC'S LTD	\$5,951	20040303
3002423	COMPUTER, PORTABLE	INSPIRON	APPLE COMPUTER INC	\$4,237	20040303
3002418	COMPUTER, PORTABLE	PP07L	DELL COMPUTER CORP F-PC'S LTD	\$2,470	20040304
3002487	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,673	20040318
3002488	COMPUTER, PORTABLE	PPT	DELL COMPUTER CORP F-PC'S LTD	\$2,673	20040318
3002428	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$2,429	20040318
3002572	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$2,627	20040319
3002548	COMPUTER, PORTABLE	A1046	APPLE COMPUTER INC	\$2,627	20040319
3002482	COMPUTER, PORTABLE	A1010	APPLE COMPUTER INC	\$2,091	20040406
3002502	COMPUTER, PORTABLE	2373-72U	INTERNATIONAL BUSINESS MACHINE	\$1,875	20040422
3002470	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3002468	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3002469	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3002471	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3003088	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3003069	COMPUTER, PORTABLE	PP05L	DELL COMPUTER CORP F-PC'S LTD	\$2,725	20040519
3003068	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$2,300	20040525
3003071	COMPUTER, PORTABLE	D400T	DELL COMPUTER CORP F-PC'S LTD	\$2,228	20040527
3003074	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$2,375	20040602
3003075	COMPUTER, PORTABLE	PPO8L	DELL COMPUTER CORP F-PC'S LTD	\$2,424	20040617
3003075	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$3,758	20040621
3002823	COMPUTER, PORTABLE	A1085	APPLE COMPUTER INC	\$3,704	20040629
3003134	COMPUTER, PORTABLE	THINKPAD	IBM	\$2,178	20040727
3028449	COMPUTER, PORTABLE	A1085	APPLE COMPUTER INC	\$3,356	20040810
3003157	COMPUTER, PORTABLE	THINKPAD	IBM	\$2,035	20040816
3003156	COMPUTER, PORTABLE	A1095	APPLE COMPUTER INC	\$2,099	20040819
3003148	COMPUTER, PORTABLE	9100	DELL COMPUTER CORP F-PC'S LTD	\$2,455	20040825
3003102	COMPUTER, PORTABLE	A1025	APPLE COMPUTER INC	\$2,751	20040825

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3003161	COMPUTER, PORTABLE	PA3297U-1MPC	TOSHIBA AMERICAN INFO SYSTEMS	\$3,808	20040901
3003196	COMPUTER, PORTABLE	NONE	ALIENWARE CORP	\$2,319	20040910
3003162	COMPUTER, PORTABLE	PP045	DELL COMPUTER CORP F-PC'S LTD	\$4,165	20040915
3003478	COMPUTER, PORTABLE	A1010	APPLE COMPUTER INC	\$2,249	20040922
3003184	COMPUTER, PORTABLE	A1095	APPLE COMPUTER INC	\$3,679	20040928
3003174	COMPUTER, PORTABLE	A1065	APPLE COMPUTER INC	\$2,385	20041004
3003197	COMPUTER, PORTABLE	PPI0L	DELL COMPUTER CORP F-PC'S LTD	\$2,031	20041005
3003178	COMPUTER, PORTABLE	INSPIRON 9100	DELL COMPUTER CORP F-PC'S LTD	\$3,221	20050104
3003208	COMPUTER, PORTABLE	D800	DELL COMPUTER CORP F-PC'S LTD	\$2,377	20050208
3003209	COMPUTER, PORTABLE	D600 LATITUDE	DELL COMPUTER CORP F-PC'S LTD	\$2,408	20050208
3003231	COMPUTER, PORTABLE	T42	INTERNATIONAL BUSINESS MACHINE	\$3,825	20050603
3003240	COMPUTER, PORTABLE	A0001	APPLE COMPUTER INC	\$2,437	20050616
3004340	COMPUTER, PORTABLE	D610	DELL COMPUTER CORP F-PC'S LTD	\$2,169	20050627
3004345	COMPUTER, PORTABLE	A1001	APPLE COMPUTER INC	\$2,450	20050630
3004358	COMPUTER, PORTABLE	6000D	DELL COMPUTER CORP F-PC'S LTD	\$2,494	20050722
1630135	COMPUTER, PORTABLE	VAIOU71	SONY CORP	\$2,474	20050725
3004369	COMPUTER, PORTABLE	M70	DELL COMPUTER CORP F-PC'S LTD	\$2,478	20050728
3004370	COMPUTER, PORTABLE	PP12L	DELL COMPUTER CORP F-PC'S LTD	\$2,346	20050801
3004375	COMPUTER, PORTABLE	D610	DELL COMPUTER CORP F-PC'S LTD	\$1,981	20050808
3004404	COMPUTER, PORTABLE	Z08B07BSU	APPLE COMPUTER INC	\$1,960	20050817
3004805	COMPUTER, PORTABLE	PREUSION 670N	DELL COMPUTER CORP F-PC'S LTD	\$2,497	20050906
3004824	COMPUTER, PORTABLE	A31P	INTERNATIONAL BUSINESS MACHINE	\$3,648	20050912
3004799	COMPUTER, PORTABLE	LATITUDE D610	DELL COMPUTER CORP F-PC'S LTD	\$1,741	20050912
3004795	COMPUTER, PORTABLE	INSPIRON 9300	DELL COMPUTER CORP F-PC'S LTD	\$4,488	20050912
3004826	COMPUTER, PORTABLE	15INCH	APPLE COMPUTER INC	\$2,353	20050920
1630136	COMPUTER, PORTABLE	VAIO U71	SONY CORP	\$2,222	20050928
3004835	COMPUTER, PORTABLE	LATITUDE D810	DELL COMPUTER CORP F-PC'S LTD	\$3,041	20051019
3004842	COMPUTER, PORTABLE	ZF3	ACER AMERICA CORP	\$2,144	20051206
3004845	COMPUTER, PORTABLE	15 POWERBOOK*	APPLE COMPUTER INC	\$2,023	20051215
3027001	COMPUTER, PORTABLE	G4	APPLE COMPUTER INC	\$2,159	20051228
3004852	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,023	20060120
3004859	COMPUTER, PORTABLE	PP15L	DELL COMPUTER CORP F-PC'S LTD	\$2,261	20060222
3027027	COMPUTER, PORTABLE	T42P	INTERNATIONAL BUSINESS MACHINE	\$2,460	20060310
3027028	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,491	20060314
3027032	COMPUTER, PORTABLE	1875DLU	INTERNATIONAL BUSINESS MACHINE	\$1,240	20060414
3027013	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,123	20060420
3027033	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$3,278	20060502
3027018	COMPUTER, PORTABLE	MACBOOK PRO 1	APPLE COMPUTER INC	\$2,399	20060505
3027045	COMPUTER, PORTABLE	M400	TOSHIBA AMERICAN INFO SYSTEMS	\$1,999	20060517
3027049	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,472	20060523
3027060	COMPUTER, PORTABLE	A1181	APPLE COMPUTER INC	\$1,762	20060523
3027055	COMPUTER, PORTABLE	640M	DELL COMPUTER CORP F-PC'S LTD	\$2,265	20060530
3027021	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,046	20060606
3027071	COMPUTER, PORTABLE	Z61M	LENOVO INC	\$2,447	20060607
3027079	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,277	20060622
3027082	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$3,000	20060622
3027086	COMPUTER, PORTABLE	XPSM1210	DELL COMPUTER CORP F-PC'S LTD	\$1,793	20060623
3027093	COMPUTER, PORTABLE	D620	DELL COMPUTER CORP F-PC'S LTD	\$2,269	20060703
3027064	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,414	20060706
3027067	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,432	20060721
3027068	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,161	20060724
3027108	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,387	20060725
3027100	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,430	20060725
3004854	COMPUTER, PORTABLE	XPSM170	DELL COMPUTER CORP F-PC'S LTD	\$4,685	20060730
3027070	COMPUTER, PORTABLE	D620	DELL COMPUTER CORP F-PC'S LTD	\$2,085	20060731

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3027115	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,399	20060822
3027121	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,399	20060913
3027138	COMPUTER, PORTABLE	LIFEBOOK	FUJITSU AMERICA INC	\$2,844	20060919
3027135	COMPUTER, PORTABLE	X31	INTERNATIONAL BUSINESS MACHINE	\$2,179	20060920
3027147	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,482	20060925
3028394	COMPUTER, PORTABLE	D820	DELL COMPUTER CORP F-PC'S LTD	\$2,131	20061018
3027152	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$3,007	20061101
3028397	COMPUTER, PORTABLE	D620	DELL COMPUTER CORP F-PC'S LTD	\$2,099	20061101
3027158	COMPUTER, PORTABLE	A1181	APPLE COMPUTER INC	\$2,491	20061212
3027164	COMPUTER, PORTABLE	690	DELL COMPUTER CORP F-PC'S LTD	\$2,920	20070130
3028412	COMPUTER, PORTABLE	FERRARI 5005	ACER AMERICA CORP	\$2,180	20070214
3028409	COMPUTER, PORTABLE	FERRARI 5005	ACER AMERICA CORP	\$2,180	20070214
3028411	COMPUTER, PORTABLE	FERRARI 5005	ACER AMERICA CORP	\$2,180	20070214
3028408	COMPUTER, PORTABLE	FERRARI 5005	ACER AMERICA CORP	\$2,180	20070214
3027157	COMPUTER, PORTABLE	T2600	DELL COMPUTER CORP F-PC'S LTD	\$2,742	20070214
3028410	COMPUTER, PORTABLE	FERRARI 5005	ACER AMERICA CORP	\$2,180	20070214
3028405	COMPUTER, PORTABLE	T4210	FUJITSU	\$3,349	20070215
3027165	COMPUTER, PORTABLE	A1211	APPLE COMPUTER INC	\$2,399	20070215
3028420	COMPUTER, PORTABLE	T4210	FUJITSU	\$3,349	20070215
3028404	COMPUTER, PORTABLE	T4210	FUJITSU	\$3,349	20070215
3028421	COMPUTER, PORTABLE	A1211	APPLE COMPUTER INC	\$2,973	20070220
3028424	COMPUTER, PORTABLE	A1211	APPLE COMPUTER INC	\$2,491	20070226
3028427	COMPUTER, PORTABLE	1705CTO	INTERNATIONAL BUSINESS MACHINE	\$2,524	20070227
3028451	COMPUTER, PORTABLE	M65	DELL COMPUTER CORP F-PC'S LTD	\$2,934	20070308
3028453	COMPUTER, PORTABLE	D620	DELL COMPUTER CORP F-PC'S LTD	\$1,971	20070325
3028385	COMPUTER, PORTABLE	A1151	APPLE COMPUTER INC	\$3,276	20070327
3028384	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,839	20070327
3028383	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,839	20070327
3028454	COMPUTER, PORTABLE	VGN-UX280P	SONY CORP	\$1,498	20070330
3028431	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$3,083	20070410
3028460	COMPUTER, PORTABLE	D620	DELL COMPUTER CORP F-PC'S LTD	\$1,797	20070411
3028434	COMPUTER, PORTABLE	D820	DELL MARKETING L. P.	\$2,315	20070419
3028514	COMPUTER, PORTABLE	D620	DELL MARKETING L. P.	\$1,866	20070710
3028516	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$2,299	20070722
3028515	COMPUTER, PORTABLE	T61	INTERNATIONAL BUSINESS MACHINE	\$1,833	20070725
3028517	COMPUTER, PORTABLE	A1226	APPLE COMPUTER INC	\$2,997	20070730
3029759	COMPUTER, PORTABLE	MA896LL/A	APPLE COMPUTER INC	\$2,299	20070806
3028513	COMPUTER, PORTABLE	A1150	APPLE COMPUTER INC	\$3,511	20070807
3028501	COMPUTER, PORTABLE	M90	DELL MARKETING L. P.	\$3,957	20070807
3029631	COMPUTER, PORTABLE	A1229	APPLE COMPUTER INC	\$3,854	20070808
3029632	COMPUTER, PORTABLE	A1229	APPLE COMPUTER INC	\$3,855	20070809
3028526	COMPUTER, PORTABLE	D830	DELL MARKETING L. P.	\$2,664	20070814
3029630	COMPUTER, PORTABLE	M90	DELL MARKETING L. P.	\$2,933	20070817
3029651	COMPUTER, PORTABLE	D630	DELL MARKETING L. P.	\$2,496	20070817
3029669	COMPUTER, PORTABLE	A1181	APPLE COMPUTER INC	\$2,510	20070821
3029656	COMPUTER, PORTABLE	D830	DELL MARKETING L. P.	\$2,667	20070828
3029659	COMPUTER, PORTABLE	D830	DELL MARKETING L. P.	\$2,447	20070904
3029678	COMPUTER, PORTABLE	PCG4L1L	HEWLETT-PACKARD CO	\$2,989	20070905
3029723	COMPUTER, PORTABLE	7668CTO	INTERNATIONAL BUSINESS MACHINE	\$1,731	20070913
3029660	COMPUTER, PORTABLE	A1229	APPLE COMPUTER INC	\$3,855	20070919
3029685	COMPUTER, PORTABLE	A1181	APPLE COMPUTER INC	\$1,439	20070920
3029706	COMPUTER, PORTABLE	RL923AV	HEWLETT-PACKARD CO	\$2,846	20070920
3029684	COMPUTER, PORTABLE	A1229	APPLE COMPUTER INC	\$2,828	20070920
3029720	COMPUTER, PORTABLE	A1226	APPLE COMPUTER INC	\$2,905	20070925
3029744	COMPUTER, PORTABLE	M6300	DELL MARKETING L. P.	\$2,958	20070928

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3029742	COMPUTER, PORTABLE	PP04X	DELL MARKETING L. P.	\$2,938	20070928
3029721	COMPUTER, PORTABLE	D420	DELL MARKETING L. P.	\$2,219	20071011
3029747	COMPUTER, PORTABLE	A1226	APPLE COMPUTER INC	\$3,335	20080110
3001176	COMPUTER, PORTABLE	P25S508	TOSHIBA AMERICAN INFO SYSTEMS	\$2,179	20030808
3027183	COMPUTER, PORTABLE, TABLET	M7-7331	TOSHIBA AMERICAN INFO SYSTEMS	\$1,818	20070125
1805370	CONCENTRATOR	2914FDD1	BAY NETWORKS INC	\$7,667	19970811
1807196	DISK DRIVE UNIT	AS13LPW4300L	ACROPOLIS SYSTEMS INC	\$795	19980122
2072329	DISK DRIVE UNIT	NONE	SUN MICROSYSTEMS INC	\$19,729	20010831
3028407	DISK DRIVE, HARD DRIVE UNIT	3510	SUN MICROSYSTEMS INC	\$19,566	20061208
1601420	DISPLAY UNIT	GDM20E20	SUN MICROSYSTEMS INC	\$2,000	19960703
1730935	DISPLAY UNIT	GDM20E20	SUN MICROSYSTEMS INC	\$2,000	19960803
1801895	DISPLAY UNIT	GDM20E20	SUN MICROSYSTEMS INC	\$2,847	19970807
1807216	DISPLAY UNIT	GDM205SE2T	SONY CORP	\$1,906	19971120
1807182	DISPLAY UNIT	GDM20E20	SUN MICROSYSTEMS INC	\$2,000	19980128
1967332	DISPLAY UNIT	GDM5010PT	SUN MICROSYSTEMS INC	\$1,407	19980327
1967205	DISPLAY UNIT	GDM5010PT	SUN MICROSYSTEMS INC	\$1,407	19980708
1967189	DISPLAY UNIT	GDM5010PT	SUN MICROSYSTEMS INC	\$1,407	19980708
1967248	DISPLAY UNIT	GDM500PS	SONY CORP	\$1,486	19980720
1967247	DISPLAY UNIT	GDM500PS	SONY CORP	\$1,486	19980720
1967258	DISPLAY UNIT	GDM5010PT	SUN MICROSYSTEMS INC	\$1,407	19980811
1967436	DISPLAY UNIT	GDM5010PT	SUN MICROSYSTEMS INC	\$1,407	19980901
1967293	DISPLAY UNIT	D1626HT	DELL COMPUTER CORP F-PC'S LTD	\$500	19980914
1971288	DISPLAY UNIT	G810	VIEWSONIC CORP/ DIV KEYPOINT	\$1,059	19981218
1968384	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$650	19990111
1968457	DISPLAY UNIT	CPD520GS	SONY CORP	\$1,046	19990319
1968494	DISPLAY UNIT	AXT-CV10	AMX CORP	\$4,306	19990329
1968495	DISPLAY UNIT	JC1744UMA1	DIGITAL EQUIPMENT CORP	\$1,281	19990329
1971446	DISPLAY UNIT	1700FP	DELL COMPUTER CORP F-PC'S LTD	\$700	19990726
1971515	DISPLAY UNIT	M4863	APPLE COMPUTER INC	\$1,388	19990817
1971542	DISPLAY UNIT	NONE	APPLE COMPUTER INC	\$1,388	19990903
1971575	DISPLAY UNIT	D1025TM	SONY CORP	\$500	19990917
1972525	DISPLAY UNIT	D1626HT	DELL COMPUTER CORP F-PC'S LTD	\$578	19990917
1972484	DISPLAY UNIT	1700FP	DELL COMPUTER CORP F-PC'S LTD	\$650	19990917
1972663	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$600	20000205
1975184	DISPLAY UNIT	GDM-F500R	SONY CORP	\$1,756	20000927
1975185	DISPLAY UNIT	GDM-F500R	SONY CORP	\$1,756	20000927
1975173	DISPLAY UNIT	P1100	COMPAQ COMPUTER CORP	\$1,500	20001004
2071315	DISPLAY UNIT	P991	DELL COMPUTER CORP F-PC'S LTD	\$900	20010103
1975219	DISPLAY UNIT	M8149	APPLE COMPUTER INC	\$3,883	20010105
2071783	DISPLAY UNIT	M8149	APPLE COMPUTER INC	\$2,883	20010316
1975258	DISPLAY UNIT	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$800	20010327
3030554	DISPLAY UNIT	170MP	SAMSUNG	\$1,597	20010327
1975267	DISPLAY UNIT	GDM-FW900	SONY CORP	\$2,726	20010418
2072323	DISPLAY UNIT	CPD-G500/2	SONY CORP	\$969	20010418
2072337	DISPLAY UNIT	LSA800	SUN MICROSYSTEMS INC	\$2,285	20010418
2072374	DISPLAY UNIT	LCD1530V	NEC AMERICA INC	\$520	20010705
2072414	DISPLAY UNIT	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$800	20010807
2072959	DISPLAY UNIT	M8149	APPLE COMPUTER INC	\$2,453	20010816
2072979	DISPLAY UNIT	M8149	APPLE COMPUTER INC	\$2,453	20010905
2072499	DISPLAY UNIT	PCVA15TXSA1	SONY CORP	\$600	20011105
2072492	DISPLAY UNIT	P991	DELL COMPUTER CORP F-PC'S LTD	\$600	20011105
2075679	DISPLAY UNIT	VLCD522034-1	VIEWSONIC CORP/ DIV KEYPOINT	\$775	20020222
2075072	DISPLAY UNIT	M7649	APPLE COMPUTER INC	\$829	20020611
2128892	DISPLAY UNIT	M8149	APPLE COMPUTER INC	\$2,299	20020624
2128921	DISPLAY UNIT	P1130	DELL COMPUTER CORP F-PC'S LTD	\$700	20020702

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
2103856	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$650	20021001
2103934	DISPLAY UNIT	P1130	DELL COMPUTER CORP F-PC'S LTD	\$560	20021122
3000629	DISPLAY UNIT	P1130	DELL COMPUTER CORP F-PC'S LTD	\$750	20030731
3001178	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$750	20030815
3001182	DISPLAY UNIT	NONE	SONY CORP	\$2,373	20030820
3001272	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$750	20030917
3001271	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$750	20030917
3001318	DISPLAY UNIT	FP2141-SBK	NEC ELECTRONICS USA INC	\$581	20031022
3001319	DISPLAY UNIT	FP2141-SBK	NEC ELECTRONICS USA INC	\$581	20031022
3002383	DISPLAY UNIT	NONE	APPLE COMPUTER INC	\$734	20040116
3002379	DISPLAY UNIT	NONE	DELL COMPUTER CORP F-PC'S LTD	\$626	20040204
3004408	DISPLAY UNIT	SYNCMaster 204T	SAMSUNG	\$781	20050819
3004782	DISPLAY UNIT	SDM-S04	SONY CORP	\$722	20050901
3004776	DISPLAY UNIT	SDM-S04	SONY CORP	\$750	20050901
3004780	DISPLAY UNIT	SDM-S04	SONY CORP	\$722	20050901
3004783	DISPLAY UNIT	M9178LL/A	APPLE COMPUTER INC	\$1,387	20050905
3004820	DISPLAY UNIT	TRINITRON21INCH	DELL COMPUTER CORP F-PC'S LTD	\$690	20050912
3004790	DISPLAY UNIT	DIAMOND PRO 2070SB	MITSUBISHI ELECTRONICS AMERICA	\$694	20050912
3004811	DISPLAY UNIT	23INCH	APPLE COMPUTER INC	\$1,411	20050920
3004855	DISPLAY UNIT	X7200A 365-1430-01	SUN MICROSYSTEMS INC	\$1,073	20060207
3027017	DISPLAY UNIT	2405FP	DELL COMPUTER CORP F-PC'S LTD	\$500	20060503
3027052	DISPLAY UNIT	SDM-P234/B	SONY CORP	\$1,088	20060530
3028406	DISPLAY UNIT	3007WFP	DELL COMPUTER CORP F-PC'S LTD	\$1,250	20070214
3028433	DISPLAY UNIT	2007WFP	DELL MARKETING L. P.	\$500	20070419
3029670	DISPLAY UNIT	245BW	SAMSUNG	\$514	20070821
3029649	DISPLAY UNIT	M9178LL/A	APPLE COMPUTER INC	\$894	20070822
3029673	DISPLAY UNIT	M9179	APPLE COMPUTER INC	\$1,663	20070912
3029674	DISPLAY UNIT	M9178LL/A	APPLE COMPUTER INC	\$835	20070912
3029722	DISPLAY UNIT	3007WFP	DELL MARKETING L. P.	\$1,333	20071011
3029743	DISPLAY UNIT	EF224-60001	HEWLETT-PACKARD CO	\$650	20071024
3029752	DISPLAY UNIT	3007WFP-HC	DELL MARKETING L. P.	\$1,390	20080121
3029750	DISPLAY UNIT	320-5647	DELL MARKETING L. P.	\$782	20080121
3030553	DISPLAY UNIT	20INCH	APPLE COMPUTER INC	\$500	20080324
2073012	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,453	20010910
2073013	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,928	20010919
2075368	DISPLAY UNIT, CINEMA	NONE	APPLE COMPUTER INC	\$2,494	20020503
2075426	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,359	20020805
2075464	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,680	20020621
2128956	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,359	20020711
2128958	DISPLAY UNIT, CINEMA	M8149	APPLE COMPUTER INC	\$2,359	20020711
2103693	DISPLAY UNIT, CINEMA	NONE	APPLE COMPUTER INC	\$2,325	20021215
2103967	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,970	20030505
3000545	DISPLAY UNIT, CINEMA	NONE	APPLE COMPUTER INC	\$1,995	20030527
3000602	DISPLAY UNIT, CINEMA	M8893	APPLE COMPUTER INC	\$1,295	20030721
3001172	DISPLAY UNIT, CINEMA	M8893	APPLE COMPUTER INC	\$1,195	20030813
3001191	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,839	20030815
3002404	DISPLAY UNIT, CINEMA	NONE	APPLE COMPUTER INC	\$1,839	20030820
3001263	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$2,067	20030925
3001267	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$3,380	20030927
3002363	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,195	20031216
3002375	DISPLAY UNIT, CINEMA	NONE	APPLE COMPUTER INC	\$1,839	20040116
3002458	DISPLAY UNIT, CINEMA	A1038	APPLE COMPUTER INC	\$1,260	20040226
3002451	DISPLAY UNIT, CINEMA	A1038	APPLE COMPUTER INC	\$1,260	20040226
3002456	DISPLAY UNIT, CINEMA	A1038	APPLE COMPUTER INC	\$1,260	20040226
3001350	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,874	20040226

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3002460	DISPLAY UNIT, CINEMA	A1038	APPLE COMPUTER INC	\$1,260	20040226
3002397	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,195	20040301
3002480	DISPLAY UNIT, CINEMA	M8536	APPLE COMPUTER INC	\$1,839	20040405
3002505	DISPLAY UNIT, CINEMA	M8893	APPLE COMPUTER INC	\$1,195	20040427
3002506	DISPLAY UNIT, CINEMA	M8893ZM/A	APPLE COMPUTER INC	\$1,195	20040427
3003150	DISPLAY UNIT, CINEMA	M9178	APPLE COMPUTER INC	\$1,799	20040921
3002513	DISPLAY UNIT, CINEMA	A1038	APPLE COMPUTER INC	\$1,970	20041101
3003221	DISPLAY UNIT, CINEMA	A1083	APPLE COMPUTER INC	\$2,899	20041109
3028392	DISPLAY UNIT, CINEMA	A1083	APPLE COMPUTER INC	\$1,839	20070327
3028389	DISPLAY UNIT, CINEMA	A1082	APPLE COMPUTER INC	\$919	20070327
3028391	DISPLAY UNIT, CINEMA	A1083	APPLE COMPUTER INC	\$1,839	20070327
3028390	DISPLAY UNIT, CINEMA	A1082	APPLE COMPUTER INC	\$919	20070327
3028522	DISPLAY UNIT, CINEMA	M9179LL/A	APPLE COMPUTER INC	\$1,799	20070810
1972592	DISPLAY UNIT, FLAT PANEL	1700FP	DELL COMPUTER CORP F-PC'S LTD	\$2,511	19991231
1974896	DISPLAY UNIT, FLAT PANEL	AM173Y01	SILICON GRAPHICS INC	\$3,067	20000721
1975198	DISPLAY UNIT, FLAT PANEL	770TFT	SAMSUNG	\$1,460	20001113
2072324	DISPLAY UNIT, FLAT PANEL	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$800	20010418
2072353	DISPLAY UNIT, FLAT PANEL	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$600	20010507
2072352	DISPLAY UNIT, FLAT PANEL	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$600	20010507
2072450	DISPLAY UNIT, FLAT PANEL	1701FP	DELL COMPUTER CORP F-PC'S LTD	\$949	20010906
2072407	DISPLAY UNIT, FLAT PANEL	LSA800	SUN MICROSYSTEMS INC	\$2,282	20010907
2072445	DISPLAY UNIT, FLAT PANEL	SDM-M81	SONY CORP	\$1,292	20010907
2072446	DISPLAY UNIT, FLAT PANEL	SDM-M81	SONY CORP	\$1,292	20010907
2072457	DISPLAY UNIT, FLAT PANEL	SDM-M81	SONY CORP	\$1,276	20010918
2072458	DISPLAY UNIT, FLAT PANEL	SDM-M81	SONY CORP	\$1,276	20010918
2074678	DISPLAY UNIT, FLAT PANEL	240T	SAMSUNG	\$5,863	20011121
2074699	DISPLAY UNIT, FLAT PANEL	M7649	APPLE COMPUTER INC	\$998	20020104
2074713	DISPLAY UNIT, FLAT PANEL	M2454	APPLE COMPUTER INC	\$565	20020123
2075689	DISPLAY UNIT, FLAT PANEL	SDMS81	SONY CORP	\$1,134	20020212
2075659	DISPLAY UNIT, FLAT PANEL	AMES	APPLE COMPUTER INC	\$1,026	20020312
2075293	DISPLAY UNIT, FLAT PANEL	DSMM81	SONY CORP	\$950	20020312
2075303	DISPLAY UNIT, FLAT PANEL	AMES	NEC ELECTRONICS USA INC	\$1,800	20020401
2075311	DISPLAY UNIT, FLAT PANEL	VLCD52272016	VIEWSONIC CORP/ DIV KEYPOINT	\$1,890	20020415
2075179	DISPLAY UNIT, FLAT PANEL	VG191B	VIEWSONIC CORP/ DIV KEYPOINT	\$1,469	20020423
2075344	DISPLAY UNIT, FLAT PANEL	VP201	VIEWSONIC CORP/ DIV KEYPOINT	\$1,764	20020430
2075335	DISPLAY UNIT, FLAT PANEL	NONE	SONY CORP	\$900	20020503
2075437	DISPLAY UNIT, FLAT PANEL	CMN014	SILICON GRAPHICS INC	\$1,393	20020517
1607724	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20020528
2075407	DISPLAY UNIT, FLAT PANEL	VE170	VIEWSONIC CORP/ DIV KEYPOINT	\$689	20020528
2075432	DISPLAY UNIT, FLAT PANEL	VP201MB	VIEWSONIC CORP/ DIV KEYPOINT	\$1,560	20020603
2075434	DISPLAY UNIT, FLAT PANEL	GH18PSAB	SAMSUNG	\$940	20020603
2075429	DISPLAY UNIT, FLAT PANEL	SDMM81	SONY CORP	\$963	20020603
1607761	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607763	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607764	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607768	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607748	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607749	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607757	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607760	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607765	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1630123	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607753	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607758	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1624245	DISPLAY UNIT, FLAT PANEL	1901FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
1607746	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607759	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1630124	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607738	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607884	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$900	20020613
1607729	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20020618
1607730	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20020618
2128888	DISPLAY UNIT, FLAT PANEL	201T	SAMSUNG	\$2,556	20020618
2128889	DISPLAY UNIT, FLAT PANEL	201T	SAMSUNG	\$2,556	20020618
2128886	DISPLAY UNIT, FLAT PANEL	201T	SAMSUNG	\$2,556	20020618
2128887	DISPLAY UNIT, FLAT PANEL	201T	SAMSUNG	\$2,556	20020618
2128922	DISPLAY UNIT, FLAT PANEL	NONE	DELL COMPUTER CORP F-PC'S LTD	\$900	20020702
2128962	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20020710
2128954	DISPLAY UNIT, FLAT PANEL	NONE	DELL COMPUTER CORP F-PC'S LTD	\$750	20020716
2128919	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$1,213	20020716
2128901	DISPLAY UNIT, FLAT PANEL	1702FP	DELL COMPUTER CORP F-PC'S LTD	\$850	20020718
2129007	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$850	20020723
2129006	DISPLAY UNIT, FLAT PANEL	1702FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20020723
2103858	DISPLAY UNIT, FLAT PANEL	MF0311	SUN MICROSYSTEMS INC	\$4,075	20020827
2128581	DISPLAY UNIT, FLAT PANEL	M8536	APPLE COMPUTER INC	\$3,453	20020922
2128584	DISPLAY UNIT, FLAT PANEL	M7649	APPLE COMPUTER INC	\$993	20020922
2103880	DISPLAY UNIT, FLAT PANEL	VP201M	VIEWSONIC CORP/ DIV KEYPOINT	\$1,499	20020930
2103896	DISPLAY UNIT, FLAT PANEL	VP201	VIEWSONIC CORP/ DIV KEYPOINT	\$1,728	20021003
2103897	DISPLAY UNIT, FLAT PANEL	VP201	VIEWSONIC CORP/ DIV KEYPOINT	\$1,728	20021003
2103924	DISPLAY UNIT, FLAT PANEL	NONE	DELL COMPUTER CORP F-PC'S LTD	\$629	20021213
2103891	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,306	20021213
2103919	DISPLAY UNIT, FLAT PANEL	VA700S	VIEWSONIC CORP/ DIV KEYPOINT	\$501	20021215
1607786	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$850	20021216
3000557	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$850	20030528
1607783	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$674	20030703
1607813	DISPLAY UNIT, FLAT PANEL	1900FP	DELL COMPUTER CORP F-PC'S LTD	\$800	20030818
3001202	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20030822
3001317	DISPLAY UNIT, FLAT PANEL	NONE	DELL COMPUTER CORP F-PC'S LTD	\$989	20030831
3001199	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$989	20030909
3001261	DISPLAY UNIT, FLAT PANEL	S115	APC	\$1,948	20030929
3001278	DISPLAY UNIT, FLAT PANEL	S115	APC	\$1,948	20030929
3001310	DISPLAY UNIT, FLAT PANEL	VX200	DELL COMPUTER CORP F-PC'S LTD	\$1,059	20031030
3002346	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,227	20031124
3001326	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001325	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001327	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001322	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001323	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3002392	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001328	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
3001324	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$1,068	20040105
1607871	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20040122
1607870	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$750	20040122
1607886	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$811	20040305
1607885	DISPLAY UNIT, FLAT PANEL	2000FP	DELL COMPUTER CORP F-PC'S LTD	\$811	20040305
3002610	DISPLAY UNIT, FLAT PANEL	M8536	APPLE COMPUTER INC	\$1,970	20040505
3003065	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$800	20040506
3003106	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$999	20040528
3003118	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$999	20040622
1624246	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$999	20040622

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
1624262	DISPLAY UNIT, FLAT PANEL	2201	DELL COMPUTER CORP F-PC'S LTD	\$899	20040816
3003168	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$749	20040816
3003170	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$749	20040816
3003169	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$749	20040816
1624261	DISPLAY UNIT, FLAT PANEL	2201	DELL COMPUTER CORP F-PC'S LTD	\$899	20040816
1630120	DISPLAY UNIT, FLAT PANEL	1901FP	DELL COMPUTER CORP F-PC'S LTD	\$962	20040928
1630121	DISPLAY UNIT, FLAT PANEL	1901FP	DELL COMPUTER CORP F-PC'S LTD	\$962	20040928
3004327	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$568	20050418
3004328	DISPLAY UNIT, FLAT PANEL	20001FP	DELL COMPUTER CORP F-PC'S LTD	\$568	20050418
3004329	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$568	20050418
3004402	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$616	20050810
3004401	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$616	20050810
3004399	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$616	20050810
3004400	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$616	20050810
3004786	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$1,000	20050912
3004787	DISPLAY UNIT, FLAT PANEL	2001FP	DELL COMPUTER CORP F-PC'S LTD	\$1,000	20050912
3004848	DISPLAY UNIT, FLAT PANEL	2405FPW	DELL COMPUTER CORP F-PC'S LTD	\$1,199	20051019
3027034	DISPLAY UNIT, FLAT PANEL	A1082	APPLE COMPUTER INC	\$1,072	20060502
3027040	DISPLAY UNIT, FLAT PANEL	A1082	APPLE COMPUTER INC	\$1,113	20060525
3027179	DISPLAY UNIT, FLAT PANEL	LP2465	HEWLETT-PACKARD CO	\$787	20070215
3027173	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027180	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027177	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027175	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027172	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027143	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027174	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027178	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3027171	DISPLAY UNIT, FLAT PANEL, LCD	24LP2465	HEWLETT-PACKARD CO	\$787	20061102
3029739	DISPLAY UNIT, FLAT SCREEN	3007WFP	DELL MARKETING L. P.	\$1,235	20071012
1967241	DRIVE, HARD	GWV611D	SUN MICROSYSTEMS INC	\$1,095	19980722
1967240	DRIVE, HARD	GWV611D	SUN MICROSYSTEMS INC	\$1,095	19980722
1968506	DRIVE, HARD	599-2229-01	SUN MICROSYSTEMS INC	\$1,080	19990331
1968508	DRIVE, HARD	599-2229-01	SUN MICROSYSTEMS INC	\$1,080	19990331
1968511	DRIVE, HARD	599-2230-01	SUN MICROSYSTEMS INC	\$1,838	19990331
1968512	DRIVE, HARD	599-2230-01	SUN MICROSYSTEMS INC	\$1,838	19990331
3002352	DRIVE, HARD	NONE	APPLE COMPUTER INC	\$9,968	20040226
3004355	DRIVE, HARD	XSERVE RAID	APPLE COMPUTER INC	\$18,131	20050714
3004354	DRIVE, HARD	XSERVE RAID	APPLE COMPUTER INC	\$18,131	20050714
1630133	DRIVE, HARD	XSERVE	APPLE COMPUTER INC	\$5,462	20050715
1607775	DRIVE, STORAGE	T3WG	SUN MICROSYSTEMS INC	\$21,500	20020930
1607774	DRIVE, STORAGE	T3WG	SUN MICROSYSTEMS INC	\$21,500	20020930
3000601	DRIVE, STORAGE ARRAY	NONE	SUN MICROSYSTEMS INC	\$7,909	20030715
3000599	DRIVE, STORAGE ARRAY	NONE	SUN MICROSYSTEMS INC	\$14,238	20030715
3000600	DRIVE, STORAGE ARRAY	NONE	SUN MICROSYSTEMS INC	\$7,909	20030715
1975171	DRIVE, TAPE	NONE	SEAGATE	\$1,142	20000921
2072409	DRIVE, TAPE	C9251CB	HEWLETT-PACKARD CO	\$4,159	20010806
2103984	DRIVE, TAPE	NONE	EXABYTE CORP	\$5,637	20020325
2129030	DUPLICATION SYSTEM, DVD	NONE	STORAGE HEAVEN	\$5,394	20020815
1731387	HARD DRIVE UNIT	611	SUN MICROSYSTEMS INC	\$1,957	19960903
1807327	HARD DRIVE UNIT	SG-XDSK010A9G	SUN MICROSYSTEMS INC	\$1,290	19980327
1807331	HARD DRIVE UNIT	SG-XDSK010A9G	SUN MICROSYSTEMS INC	\$1,290	19980327
1807328	HARD DRIVE UNIT	SG-XDSK010A9G	SUN MICROSYSTEMS INC	\$1,290	19980327
1967243	HARD DRIVE UNIT	GWV611D	SUN MICROSYSTEMS INC	\$1,095	19980722
1968505	HARD DRIVE UNIT	599-2229-01	SUN MICROSYSTEMS INC	\$1,080	19990331

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
1968509	HARD DRIVE UNIT	599-2230-01	SUN MICROSYSTEMS INC	\$1,838	19990331
3001283	HARD DRIVE UNIT	XRAID	APPLE COMPUTER INC	\$4,193	20040616
3028393	HARD DRIVE UNIT	XSERVE RAID	APPLE COMPUTER INC	\$7,565	20070327
1554646	INTERFACE UNIT, ADP	CISCO 7000	CISCO SYSTEMS INC	\$22,707	19950608
3003078	LOADER, TAPE	M2500	QUANTUM ACCESS INC	\$39,815	20041028
2072422	MONITOR, TELEVISION	PDP502MX	PIONEER CO	\$10,713	20010814
2072423	MONITOR, TELEVISION	PDP502MX	PIONEER CO	\$10,713	20010814
2072470	MULTIMETER, DIGITAL	10/100 PRO	FLUKE ELECTRONICS CORP	\$5,019	20010928
3029679	PRINTER	Q5409A	HEWLETT-PACKARD CO	\$2,162	20070917
3000568	PRINTER, LASER	M4525	XEROX CORP PRINTING SYS DIV	\$3,405	20030610
3001274	PRINTER, LASER	4525	XEROX CORP PRINTING SYS DIV	\$3,108	20030903
3001276	PRINTER, LASER	4525	XEROX CORP PRINTING SYS DIV	\$3,108	20030929
3001277	PRINTER, LASER	4525	XEROX CORP PRINTING SYS DIV	\$3,108	20030929
3003128	PRINTER, LASER	N4525	XEROX CORP PRINTING SYS DIV	\$3,058	20040727
3003171	PRINTER, LASER	N4525	XEROX CORP PRINTING SYS DIV	\$3,058	20040917
3004792	PRINTER, LASER	C510N	LEXMARK INTL INC	\$676	20050912
1971492	PRINTER, LASERJET	C4094A	HEWLETT-PACKARD CO	\$3,680	19990810
1972712	PRINTER, LASERJET	C4254A	HEWLETT-PACKARD CO	\$1,534	20000411
1974364	PRINTER, LASERJET	8100N	HEWLETT-PACKARD CO	\$2,850	20000428
2071779	PRINTER, LASERJET	2200DN	HEWLETT-PACKARD CO	\$1,100	20010529
2074688	PRINTER, LASERJET	C8050A	HEWLETT-PACKARD CO	\$1,500	20020122
2075410	PRINTER, LASERJET	C8050A	HEWLETT-PACKARD CO	\$1,300	20020523
2075439	PRINTER, LASERJET	NONE	HEWLETT-PACKARD CO	\$1,529	20020610
2075440	PRINTER, LASERJET	NONE	HEWLETT-PACKARD CO	\$1,530	20020610
2129022	PRINTER, LASERJET	C9660A	HEWLETT-PACKARD CO	\$2,235	20020814
3002504	PRINTER, LASERJET	C9692A	HEWLETT-PACKARD CO	\$2,169	20040426
3028478	PRINTER, LASERJET	5550N	HEWLETT-PACKARD CO	\$2,995	20070703
1971411	PRINTER, LASERJET 4050N	C4253A	HEWLETT-PACKARD CO	\$1,478	19990719
1972664	PRINTER, LASERJET 4050N	C4253A	HEWLETT-PACKARD CO	\$1,350	20000203
1972708	PRINTER, LASERJET 4050N	C4253A	HEWLETT-PACKARD CO	\$1,800	20000325
1975226	PRINTER, LASERJET 4050N	C4253A	HEWLETT-PACKARD CO	\$1,538	20010111
2072364	PRINTER, LASERJET 4550N	C7086A	HEWLETT-PACKARD CO	\$2,259	20010619
2072439	PRINTER, LASERJET 4550N	C7086A	HEWLETT-PACKARD CO	\$2,229	20010823
2072430	PRINTER, LASERJET 4550N	C7086A	HEWLETT-PACKARD CO	\$2,471	20010906
2074718	PRINTER, LASERJET 4550N	C7086A	HEWLETT-PACKARD CO	\$2,412	20020215
2103881	PRINTER, LASERJET, COLOR	NONE	HEWLETT-PACKARD CO	\$3,568	20020927
3003172	PRINTER, LASERJET, COLOR	C9660A	HEWLETT-PACKARD CO	\$2,235	20021010
2103864	PRINTER, OFFICEJET	C7298A	HEWLETT-PACKARD CO	\$599	20021101
2024834	PROCESSING UNIT, DIGITAL	1510100	ORBITAL NETWORK ENGR'N INC	\$19,775	20010403
1975090	PROJECTOR, LASER	LP335	INFOCUS SYSTEM	\$6,859	20000615
2075300	PROJECTOR, MULTIMEDIA	MP2800	COMPAQ COMPUTER CORP	\$5,045	20020329
3028459	PROJECTOR, OVERHEAD	HD PRO WIDE	SANYO	\$5,125	20070222
2072428	PROJECTOR, PORTABLE	MP2800	DOTTIE L H CO OF KOBERT CO	\$5,045	20010820
1802827	RECORDER, VIDEO CASSETTE	PVV2800	SONY CORP	\$18,322	19970917
1967251	RECORDER, VIDEO CASSETTE	HS-U790	MITSUBISHI ELECTRONICS AMERICA	\$650	19980818
819795	ROUTER, COMMUNICATIONS	2924XL	CISCO SYSTEMS INC	\$6,240	19980818
2072363	ROUTER, COMMUNICATIONS	7507	CISCO SYSTEMS INC	\$22,163	20010620
2072328	SERVER	450	SUN MICROSYSTEMS INC	\$170,240	19940114
1609540	SERVER	A1004	APPLE COMPUTER INC	\$7,145	20020927
1609537	SERVER	A1004	APPLE COMPUTER INC	\$4,832	20020927
1609539	SERVER	A1004	APPLE COMPUTER INC	\$7,145	20020927
1607790	SERVER	IMU	DELL COMPUTER CORP F-PC'S LTD	\$3,271	20030505
1630150	SERVER	NONE	APPLE COMPUTER INC	\$3,444	20030714
3000584	SERVER	NONE	APPLE COMPUTER INC	\$9,122	20030714
3000584	SERVER	NONE	DELL COMPUTER CORP F-PC'S LTD	\$3,745	20030714

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
3000595	SERVER	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,885	20030714
1607814	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20030729
1607816	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20030729
1607817	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20030729
1607818	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20030729
3001251	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20030909
3001252	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20030909
3001253	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20030909
3001254	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20030909
3001255	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20030909
1607823	SERVER	NONE	APPLE COMPUTER INC	\$7,190	20030929
3001285	SERVER	V240	SUN MICROSYSTEMS INC	\$6,052	20031017
1607826	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607827	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607828	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607829	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607830	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607831	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607832	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607833	SERVER	V210	SUN MICROSYSTEMS INC	\$2,729	20031017
1607887	SERVER	NONE	APPLE COMPUTER INC	\$3,297	20031110
1607888	SERVER	NONE	APPLE COMPUTER INC	\$3,297	20031110
3002499	SERVER	NONE	APPLE COMPUTER INC	\$6,978	20031110
3002351	SERVER	POWER EDGE 250	DELL COMPUTER CORP F-PC'S LTD	\$4,045	20031224
3002359	SERVER	XW6000	HEWLETT-PACKARD CO	\$2,231	20040109
3002366	SERVER	1750	DELL COMPUTER CORP F-PC'S LTD	\$2,473	20040112
1607861	SERVER	NONE	APPLE COMPUTER INC	\$3,442	20040226
1607862	SERVER	NONE	APPLE COMPUTER INC	\$3,442	20040226
1607864	SERVER	NONE	APPLE COMPUTER INC	\$3,442	20040226
1609541	SERVER	A1004	APPLE COMPUTER INC	\$3,971	20040409
3002507	SERVER	NONE	SUN MICROSYSTEMS INC	\$9,054	20040516
1624243	SERVER	V20Z	SUN MICROSYSTEMS INC	\$6,102	20040518
1624244	SERVER	V20Z	SUN MICROSYSTEMS INC	\$6,102	20040518
3001284	SERVER	FAID	APPLE COMPUTER INC	\$4,193	20040616
1607881	SERVER	NONE	DELL COMPUTER CORP F-PC'S LTD	\$4,290	20040617
1607882	SERVER	NONE	DELL COMPUTER CORP F-PC'S LTD	\$4,290	20040617
3003132	SERVER	SONATA	ANTEC	\$4,264	20040622
3003133	SERVER	SONATA	ANTEC	\$4,264	20040622
3002395	SERVER	XEON	DELL COMPUTER CORP F-PC'S LTD	\$2,474	20040715
1628766	SERVER	ML9216A	APPLE COMPUTER INC	\$4,596	20040812
1628763	SERVER	A1009	APPLE COMPUTER INC	\$6,427	20040812
3003090	SERVER	RAID 3500 GB	APPLE COMPUTER INC	\$10,663	20040816
3003160	SERVER	BLADE 1500	SUN MICROSYSTEMS INC	\$2,594	20040920
3003158	SERVER	V250	SUN MICROSYSTEMS INC	\$5,550	20040920
3003159	SERVER	BLADE 1500	SUN MICROSYSTEMS INC	\$2,594	20040920
1624268	SERVER	NONE	DELL COMPUTER CORP F-PC'S LTD	\$5,180	20040928
3003079	SERVER	V240	SUN MICROSYSTEMS INC	\$5,434	20041028
3003080	SERVER	V240	SUN MICROSYSTEMS INC	\$5,434	20041028
3003081	SERVER	V240	SUN MICROSYSTEMS INC	\$5,434	20041028
3003082	SERVER	V240	SUN MICROSYSTEMS INC	\$5,434	20041028
3003083	SERVER	V480	SUN MICROSYSTEMS INC	\$29,281	20041028
1624265	SERVER	1750	DELL COMPUTER CORP F-PC'S LTD	\$1,894	20041201
1624267	SERVER	1850	DELL COMPUTER CORP F-PC'S LTD	\$2,489	20050208
3003210	SERVER	1850	DELL COMPUTER CORP F-PC'S LTD	\$2,489	20050220
3027120	SERVER	XSERVE RAID	APPLE COMPUTER INC	\$8,027	20060919

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ECN	ITEM-NAME	MFG-MODEL-NO	MFG-NAME	COST	DATE ACQUIRED
1630149	SERVER	X4100	SUN MICROSYSTEMS INC	\$5,245	20061012
1630144	SERVER	SUNFIRE T200	SUN MICROSYSTEMS INC	\$15,000	20070215
3029643	SERVER	XRAID	APPLE COMPUTER INC	\$7,500	20070810
3029644	SERVER	XRAID	APPLE COMPUTER INC	\$7,500	20070810
3029645	SERVER	XRAID	APPLE COMPUTER INC	\$7,500	20070810
3029648	SERVER	XRAID	APPLE COMPUTER INC	\$6,959	20070818
3029716	SERVER	XSERVERAID	APPLE COMPUTER INC	\$12,883	20071011
3029717	SERVER	XSERVERAID	APPLE COMPUTER INC	\$12,883	20071011
1801894	STORAGE MODULE, LIBRARY	EXB220	SUN MICROSYSTEMS INC	\$17,820	19970807
2075372	STORAGE SYSTEM	A1000	SUN MICROSYSTEMS INC	\$8,650	20020516
1968388	STORAGE SYSTEM, DISK	ORIG200	SILICON GRAPHICS INC	\$1,550	19990112
1972562	STORAGE SYSTEM, DISK	NONE	SUN MICROSYSTEMS INC	\$17,806	19991214
1554609	SWITCH, ETHERNET	10328F	SYNOPTICS COMMUNICATIONS INC	\$8,000	19950705
3001288	SWITCH, VIDEO	NONE	SIERRA CONTROLS	\$12,395	20031001
1968499	SWITCHER, MATRIX	NONE	EXTRON CO	\$5,690	19990329
1607860	TAPE BACKUP UNIT	M1500	QUANTUM CORP	\$10,976	20040226
3029633	TAPE CHANGER	PX502	QUANTUM CO	\$12,045	20070817
1554493	TAPE DRIVE UNIT	CTD8000E-S	SILICON GRAPHICS INC	\$1,800	19951010
1557332	TAPE DRIVE UNIT	611	SUN MICROSYSTEMS INC	\$2,161	19960326
1557331	TAPE DRIVE UNIT	611	SUN MICROSYSTEMS INC	\$2,161	19960326
1969111	TAPE DRIVE UNIT	DLT7000	QUANTUM CORP	\$5,876	19990527
2103734	TAPE DRIVE UNIT	M2	EXABYTE CORP	\$3,582	20020927
3000566	TAPE DRIVE UNIT	SDLTF320	QUANTUM ACCESS INC	\$3,897	20030702
3001279	TAPE DRIVE UNIT	NONE	QUANTUM CORP	\$12,466	20030909
1630130	TAPE DRIVE UNIT	3520L	QUANTUM CORP	\$9,283	20030909
3004825	TAPE DRIVE UNIT	DLT320	SUN MICROSYSTEMS INC	\$3,864	20050913
3028395	TAPE DRIVE UNIT	PX506	QUANTUM CORP	\$10,783	20061101
136006	TERMINAL, DATA PROCESSING	CIT224	ITOH CO LTD IND ELECT DIV	\$585	19870824