

# COMPUTER SCIENCES AND APPLIED MATHEMATICS

<b>File No.</b>	<b>Title</b>
R-7809	Statistical Models of 3D Face Shape and Spherical Harmonic Illumination Basis
R-7789	Safe Execution Environments
R-7788	Versionfs 1.0
R-7787	Tracefs 1.0
R-7786	Avfs 1.0
R-7766	Booklet Bundler
R-7757	Subtraction CT Angiography (Subtraction CTA)
R-7752	Monte Carlo Model Checking
R-7738	Multi-Radio Mesh Routers for Rapidly Deployable Wireless LANS
R-7737	Machine Translation and Interface for Interaction
R-7726	Centralized Provisioning Algorithms for Wireless Nets
R-7714	iSign
R-7703	Automated Question Generation
R-7701	Scalable Data Extraction Techniques for Transforming Electronic Documents into Queriable Archives
R-7699	Genome-Level Assembly from Short Sequence Reads
R-7686	Video Acquisition, Video Storage, Video Distribution
R-7666	A Technique for Preventing Buffer Overflow and Related Cyber-Attacks
R-7663	FronTier
R-7659	Wide-Area Intruder Detection and Tracking Network
R-7649	Tailored Web Education System
R-7646	Compound System Calls: Cosy 1.0

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<b>File No.</b>	<b>Title</b>
R-7638	An Extraction Technique for Web Documents
R-7636	Distributed Scheduling of Nonlinear Computational Loads
R-7634	Comprehensive Statistical Spectrum Analysis Routine
R-7611	Accurate Detection of Anomalies in High-Speed Event/Data Streams
R-7587/7588/7589	Acoustic Simulation
R-7582	Generating Smart Link Traverser for Querying Large Hyperlinked Data
R-7576	Frequency Based Algorithm
R-7573	Enhancing NFS Cross-Administrative Domain Access
R-7521	Medical Chart Rack Incorporating a Computer System
R-7515	Electronic Medical Record Based on E-mail Standards
R-7491	Medical Record Keeping Software
R-7486	3 DMA-Neuron, Automated Dendritic Spine Morphometry
R-7482	Apparatus and Method for Real-Time Volume Processing and Universal 3D Rendering (CUBE 5)
R-7456	A Device for Creating New Connections in Sparse Neural Networks
R-7453	VRONI. A software package for creation of Voronoi Diagrams
R-7449	Quick Collision Detection (Quick CD)
R-7445	Pocket Voronoi Diagram (PVD)
R-7437	Fast Triangle Strip Generator (FTSG)
R-7434	Fast Industrial-Strength Triangulation (FIST)
R-7409	Efficient Generation of Triangle Strips (STRIPE)
R-7373	Method and Apparatus to Maintain Connectivity for Mobile Terminals in Wireless and Cellular Communication Systems

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<b>File No.</b>	<b>Title</b>
R-7359	Method and Apparatus for Querying Dynamic Web Content
R-7313	SYNCHEM Synthesis Discovery System: A Tool for Discovering Synthesis Routes for Organic Molecules VISIT THE SYNCHEM WEBSITE: at <a href="http://www.cs.sunysb.edu/~synchem/">www.cs.sunysb.edu/~synchem/</a>
R-7299	V-type: Entering Text in a Virtual World
R-7264	Load Sharing Controller Which Optimizes the Monetary Cost of Computation and Communication
R-7251	3-D Surface Contouring by Digital Fringe Projection and Phase-Shifting Techniques
R-7226	Computer-Based Semi-Automatic Focusing Setup
R-7216	Apparatus and method for Parallel and Prospective Real-Time Volume Visualization
R-7189	A Method and Apparatus for Fabricating Opto-Electronic Devices with Controlled Refractive Index Variation
R-7176	A Computer-Aided Low-Harmonic Trajectory Planner for Computer- Controlled Machinery
R-7166	Oversampling Single-Flux-Quantum Counting Analog-to-Digital Converter
R-7165	Broadband Output Interface for Ultrafast Superconductor Digital Systems
R-7135	VolVis: A Software System for Volume Visualization with Applications in CAD, Medicine and Engineering
R-7130	Load Sharing Controller which Optimizes the Monetary Cost of Computation
R-7104	Bar Coding of Powder Lots to Improve Process Efficiency During Thermal Spraying
R-7097	Halftone Codes
R-7078	Real-Time Architecture for High-Resolution Volume Visualization
R-7071	Quantitative Reconstruction for Myocardial Perfusion SPECT

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<b>File No.</b>	<b>Title</b>
R-7070	Analytical Approach to Object Specific Attenuated Brain SPECT
R-7059	Automating Tumor Identification for Therapy & Surgery
R-7058	Efficient Reconstruction of High Resolution Positron Emission Tomography
R-7000	Method and Apparatus for Accurate 3-D Shape Measurement and Image Reconstruction Using Image Focus
S-7010	Digital Patient Distance Indicator with Computer Interface for Radiation Therapy Treatment Units