

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

Federal Republic of Germany

2,651,985	D. J. Bahr and W. G. Spruth	Print Head for Metal Paper Printers
3,175,488,008	H. Moritz	Method of Making Conductive Paths Through a Lamina in a Semiconductor Device
3,175,593,308	M. Briska and D. J. Bahr	Record Carrier for an Electro-Erosion Printer and Method for Making Same
3,175,637,908	J. E. Barthel and H. R. Bublit	Microprocessor-Controlled Adapter Circuit for Real-Time Controls, in Particular for Print Hammer Controls
3,273,095,008	M. Schmidt, H. Heinrich, and G. Herrmann	Nagold: Type Band Printer
3,273,111,608	W. Sakmann and V. Zimmerman	Speed Control and Regulation of a Brushless DC Motor
3,273,147,708	F. W. Hilpert, V. Rudolph, E. Kohm, and M. E. Wohnsdorf	Arrangement for Pressing a Print Head Against a Record Carrier
3,273,394,108	B. Hafner, K. P. Thiel, G. F. Wenz, and J. F. Wuestenhagen	Method of Determining the Endpoint of Layer Removal During the Development or Etching of Coated Substrates and Arrangement for Implementing the Method
3,273,475,108	A. Brunsch, W. D. Ruh, and G. Trippel	Method of Measuring the Thickness of the Removed Layer in Subtractive Workpiece Processing
3,365,839,008	T. Bayer, K. Kleischmann, U. Kuenzel, H. Hinkel, and R. Schaefer	Composite Magnetic Dish with Si and SiC Substrate
3,366,173,108	H. J. Bradler, K. H. Vogt, M. Deyhle, and W. Brauner	Device for Two-Sided Application of Foils or Similar Material onto Plate Shaped Workpieces and Method of Operating the Same
3,367,879,008	A. Bohg, H. D. Matthaei, and V. Zimmermann	Monitoring Flight Time of Print Hammers on Impact Printer

France

68,058	A. Bhattacharyya, D. Basise, P. Mollier, and J. K. Howard	Electronically Programmable Read Only Memory
97,753	D. Godard	A Tone Receiver for Digital Data Communication Systems
130,261	M. Ferry and J. Trehin	DC Power Supply Circuit for Line Interface Circuits

Japan

1,341,783	Y. Shimizu	Shared Memory Access Channel
1,352,921	T. Kanno and K. Tsukamoto	Automatic Transaction Apparatus with Passbook-Cover Turning Mechanism
1,659,093	K. Tsukamoto	Automatic Page Turner Mechanism for Passbook Printer

Switzerland

100,785	H. Rohrer, C. Gerber, G. Binnig, and E. Weibel	High-Performance Filter
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United Kingdom

68,052	M. H. Miessler	Ultrasonic Imaging Apparatus and Method
112,941	K. Bryant-Jeffries, H. G. Dickie, and E. V. Vaughan	Rotor for a Dynamo-Electric Machine and Method of Making

116,730	A. S. Murphy	A Stylus or Pen for Interactive Use with a Graphics Input
121,016	P. H. Jackson	Display Terminal
United States		
4,620,572	D. E. Baker, H. L. Kelly, and K. W. Meranda	Radial Reform Head
4,620,754	A. H. Lycke and C. R. Soderquist	Magazine for Material and/or Tools for Robot or Like Applications
4,621,232	T.-H. P. Chang, P. J. Coane, F.-J. Hohn, W. W. Molzen, Jr., and A. R. Zingher	Inspection of Unsintered Single Layer or Multilayer Ceramics Using a Broad Area Electrical Contacting Structure
4,621,345	J. S. Bialas, Jr., R. J. Daniels, and J. W. Yoder	Soft Error Protection Circuit for a Storage Cell
4,621,362	K.-B. K. Sy	Routing Architecture for a Multi-Ring Local Area Network
4,621,363	A. Blum	Testing and Diagnostic Device for Digital Computers
4,621,756	M. K. Bullock, D. R. Hedrick, R. H. Marvin, and E. H. James III	Web Feeding Mechanism
4,622,058	P. A. Leary-Renick and R. Srinivasan	Formation of a Multi-Layer Glass-Metallized Structure Formed on and Interconnected to Multi-Layered-Metallized Ceramic Substrate
4,622,095	W. D. Grobman, F. Ho, J. E. Hurst, Jr., J. J. Ritsko, and Y. Tomkiewicz	Laser Stimulated Halogen Gas Etching of Metal Substrates
4,622,205	D. P. Fouts, D. Gupta, P. S. Ho, J. S. Jaspal, J. R. Lloyd, Jr., J. M. Oberschmidt, K. V. Srikrishnan, and M. J. Sullivan	Electromigration Lifetime Increase of Lead Base Alloys
4,622,262	M. S. Cohen	Recording Materials of Improved Lubricity for Use in Electroerosion Printing
4,622,383	C. J. Araps, S. M. Kandetzke, and M. A. Takacs	Method for the Fractionation of Reactive Terminated Polymerizable Oligomers
4,622,549	T. N. Criscimagna, H. S. Hoffman, Jr., and T. J. Milich	Repetition Rate Compensation and Mixing in a Plasma Panel
4,622,573	P. E. Bakeman, Jr. and H. J. Geipel, Jr.	CMOS Contacting Structure Having Degeneratively Doped Region for the Prevention of Latch-Up
4,622,641	L. K. Stephens	Geometrical Display Generator
4,622,668	G. A. Dancker and E. C. Grazier	Process and Apparatus for Testing a Microprocessor and Dynamic RAM
4,623,244	D. R. Andrews, R. E. Kuseski, and T. Travis	Copy Production Machines
4,623,554	R. A. Kaschak, R. H. Magnuson, and E. J. Yarmchuk	Method for Controlling Plating Rate in an Electroless Plating System
4,623,880	J. E. Bresenham, A. C. Gay, and J. P. Richards	Graphics Display System and Method Having Improved Clipping Technique
4,623,906	G. V. Chandrashekhar and M. W. Shafer	Stable Surface Coating for Ink Jet Nozzles
4,623,963	G. H. Phillips	Device Independent Data Transfer
4,623,964	M. E. Getz, C. J. Harris, P. J. McConnell, M. L. Norton, J. P. Garrett, and A. I. Harding	Homogeneous Hierarchical Computer Business System
4,624,048	H. Hinkel, G. Kaus, U. Kuenzel, and G. Schmid	Method of Making Magnetic Head Sliders
4,624,591	K. G. Barnes, J. L. Gaudet, P. J. Hurley, and G. H. Neuman	Impact Printer with Type Font Elements Having Mid-Line Pitch Change Capability
4,624,592	B. D. Purcell	Ribbon Cartridge Retention
4,624,739	P. E. Nixon, M. S. Polavarapu, and D. Stanasolovich	Process Using Dry Etchant to Avoid Mask-and-Etch Cycle
4,624,740	A. D. Abrams, R. C. Bausmith, K. L. Holland, and S. P. Holland	Tailoring of Via-Hole Sidewall Slope
4,625,176	J. R. Champion and C. A. Yeager	Electrostatic Probe
4,625,222	L. W. Bassetti, S. Kantor, and J. K. Richert	Interacting Print Enhancement Techniques
4,626,446	R. J. Capwell and R. G. Rickert	Electroless Plating Bath Monitor
4,626,705	N. Raver	Field Effect Transistor Timing Signal Generator Circuit
4,626,710	S. K. Wiedmann	Low Power Logic Circuit with Storage Charge Control for Fast Switching
4,626,824	L. E. Larson	Apparatus and Algorithm for Compressing and Decompressing Data
4,626,836	D. E. Curtis, J. P. Vincent, and M. E. Weidmann	Method of Scheduling Meetings
4,626,882	P. E. Cottrell, W. J. Craig, and R. R. Troutman	Twin Diode Overvoltage Protection Structure
4,626,883	J. A. Kash and T. F. Kuech	Textured Crystal Picosecond Photoresponsive Element
4,626,907	F. Schedewie	Method and Apparatus for Mutually Aligning Objects
4,626,943	D. M. Janssen, A. J. Kirtan, R. M. Murphy, and L. Rose	Torsional Actuator for Loading and Unloading Flexible Disk Drive
4,626,946	A. W. Vinal	Twin Track Vertical Read-Write Head Structure
4,626,988	S. L. George	Instruction Fetch Look-Aside Buffer with Loop Mode Control
4,627,015	L. K. Stephens	Text Placement on Graphics Screen

4,627,017	F. T. Blount and A. Weinberger	Address Range Determination
4,627,020	K. L. Anderson, F. C. Mintzer, G. Goertzel, and J. L. Mitchell	Method for Rotating a Binary Image
4,627,054	R. J. Cooper, M. A. Marsico, and J. C. Pescatore	Multiprocessor Array Error Detection and Recovery Apparatus
4,627,097	D. E. Finlay, J. C. Lopez, and T. S. Mereness	Method and Apparatus for Improved Printing in a Selected Orientation
4,627,152	M. R. DeHond and P. J. Ledak	Automatic Layout for Cascode Voltage Switch Logic
4,627,160	L. W. Herron, A. H. Kumar, R. N. Master, and R. W. Nufer	Method for Removal of Carbonaceous Residues from Ceramic Structures Having Internal Metallurgy
4,627,829	W. A. Brady, Jr., S. R. Jordan, E. J. Morgado, J. J. Perlini, and A. A. Stricker	Centerfold Forming Apparatus for a Disk Envelope
4,628,156	D. R. Irvin	Canceller Trained Echo Suppressor
4,628,211	W. Ruppert	Circuit Arrangement for Crosstalk Compensation in Electro-Optical Scanners
4,628,307	W. G. Crouse	FET Switch for High Frequency Signals
4,628,311	P. E. Milling	Carrier Sense Multiple Access with Collision Avoidance Utilizing Rotating Time Staggered Access Windows
4,628,385	D. M. Janssen, A. J. Kirton, R. M. Murphy, and L. Rose	Two Stage Collecting in a Flexible Disk Drive
4,628,411	D. Balderes, A. J. Frankovsky, and R. A. Jarvela	Apparatus for Directly Powering a Multi-Chip Module from a Power Distribution Bus
4,628,445	J. P. Buonomo, R. E. Losinger, B. L. Oliver, and D. J. Sucher	Apparatus and Method for Synchronization of Peripheral Devices Via Bus Cycle Alteration in a Microprocessor Implemented Data Processing System
4,628,541	J. A. Beavers	Infra-Red Data Communications System for Coupling a Battery Powered Data Entry Device to a Microcomputer
4,629,518	D. B. Larsen	Carburization and Heat Treatment Process for a Machine Part
4,629,611	B. Fan	Gas Purifier for Rare-Gas Fluoride Lasers
4,629,662	J. M. Brownlow and T. S. Plaskett	Bonding Metal to Ceramic Like Materials
4,629,980	W. A. Overby	Testing Limits of Speed Variations in Motors
4,630,045	C. J. Georgiou	Controller for a Cross-Point Switching Matrix
4,630,150	D. W. Collins, J. S. Johnson, L. J. Schmidt, M. M. Siverling, and W. S. Wentink	Optical Tool for Aligning Transducer Head Assemblies
4,630,192	E. R. Wassei and G. J. Watkins	Apparatus for Executing an Instruction and for Simultaneously Generating and Storing Related Information
4,630,194	B. L. Oliver and D. C. Preston	Apparatus for Expediting Sub-Unit and Memory Communications in a Microprocessor Implemented Data Processing System Having a Multibyte System Bus that Utilizes a Bus Command Byte
4,630,195	P. D. Hester and W. M. Johnson	Data Processing System with CPU Register to Register Data Transfer Overlapped with Data Transfer to and from Main Storage
4,630,219	A. DiGiacomo and K. H. Khokhani	Element Placement Method
4,630,261	D. R. Irvin	Integrated Buffer Management and Signaling Technique
4,630,262	P. Callens, C. Galand, C. Gergaud, P. Noailly, and P. Secondo	Method and System for Transmitting Digitized Voice Signals as Packets of Bits
4,630,267	M. L. Costes and G. H. Hodge	Programmable Timing and Synchronization Circuit for a TDMA Communications Controller
4,630,270	D. A. Petit and M. P. DuPasquier	Method for Identifying a Faulty Cell in a Chain of Cells Forming a Shift Register