

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

3,272,673,608	F. Schedewie	Method and Apparatus for Mutually Aligning Objects
3,276,598,308	W. Eibach, K. M. Roehr, and K. M. Schulz	Fail-Safe Data Processing System
3,276,650,508	V. Goetze and G. Potz	Highly Integrated Programmable Logic Array Utilizing AND/OR Arrays
3,276,906,108	G. Goldrian, V. Rudolph, and M. Wohnsdorf	Scattered Firing of Electrodes for Electro Erosion Printing
3,277,093,608	G. Potz and V. Goetz	Method and Device for Generating Check Bits Protecting a Data Word
3,372,249,808	H. Feurle, I. Wirths, G. Lennemann, and W. Ruppert	Circuit Arrangement for Crosstalk Compensation in Electro-Optical Scanners
3,372,271,408	M. Nitschke, V. Rudolph, G. Goldrian, and M. Wohnsdorf	Apparatus for the Bounce-Free Landing of a Print Head
3,372,272,208	D. J. Bahr and M. Briska	Method of Making a Metallic Soap Layer as a Gliding Layer on a Metallized Record Carrier
3,372,339,708	M. Briska and D. J. Bahr	Method of Forming a Metallic Soap Layer as a Gliding Layer on a Metallized Record Carrier
3,372,826,708	H. J. Bauer and B. Garben	Method and Apparatus for Making Ohmic AND/OR Schottky Barrier Contacts to Semiconductor Substrates
3,373,256,608	J. Greschner, H. J. Trumpp, and F. Schwerdt	Process for Producing Printed Circuit Boards with Metallic Conductor Structures Embedded in the Insulating Substrate

France

111,612	C. Galand and K. Daulasim	Method and Device for Coding a Voice Signal
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Switzerland

114,402	J. G. Bednorz, D. W. Pohl, M. Lanz, and W. Denk	Light Waveguide with a Submicron Aperture Method for Manufacturing
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United States

4,648,061	G. J. Foster	Electronic Document Distribution Network with Dynamic Document Interchange Protocol Generation
4,673,987	K. Toyokawa	Compressed Block Code for Facsimile Transmission
4,675,982	W. P. Noble, Jr., R. E. Scheuerlein, and W. W. Walker	Method of Making Self-Aligned Recessed Oxide Isolation Regions
4,675,986	E. T. Yen	Electrical Lapping Guide for Controlling the Batch Fabrication of Thin Film Magnetic Transducers
4,676,426	R. E. Darrow, A. J. Emerick, and J. D. Larned	Solder Leveling Technique
4,676,672	L. R. Tufty	Precision Spindle
4,677,032	C. J. Robinson	Vertical Magnetic Recording Media with Multilayered Magnetic Film Structure
4,677,045	R. B. Champ and R. L. Vollmer	Squarylium Charge Generating Dye and Electrophotographic Photoconductor

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4,677,254	D. W. Boss and D. J. Dubetsky	Process for Minimizing Distortion in Multilayer Ceramic Substrates and the Intermediate Unsintered Green Ceramic Substrate Produced Thereby
4,677,312	L. B. Freeman	High Voltage Swing Open Collector Driver
4,677,527	H. Pasterchick, Jr. and C. W. Turner	Compact Electrical Connection and Distribution System for Pluggable Modular Devices
4,677,573	M. W. Brown, R. E. Dubke, and M. J. Kimmel	Hardware Generation of Styled Vectors in a Graphics System
4,677,588	J. H. Benjamin, J. P. Gray, R. C. Hayward, M. L. Hess, F. E. McGriff, E. L. Miller, and R. A. Weingarten	Network Interconnection Without Integration
4,677,618	L. C. Haas and M. L. Loeb	Method and Apparatus for Deskewing WDM Data Transmitted Through a Dispersive Medium
4,677,627	J.-H. J. Hong	Error Correction Scheme
4,677,648	E. A. Zurfluh	Digital Phase Locked Loop Synchronizer
4,677,671	C. Galand and K. Daulasim	Method and Device for Coding a Voice Signal
4,678,175	B. D. Arldt, J. T. Loeb, J. C. Miller, H. B. Parsapour, F. H. Rascoe III, and D. W. Woodward	Sheet Money Feeding Machine with Improved Separation Means
4,678,701	K. S. Pennington, A. Afzali-Ardakani, and K. G. Sachdev	Resistive Printing Ribbon Having Improved Properties
4,678,850	M. Hatzakis, J. J. Liutkus, J. R. Paraszczak, and J. M. Shaw	Halogenated Polystyrenes for Electron Beam, X-Ray and Photo Resists
4,678,941	H. H. Chao and N. C.-C. Lu	Boost Word-Wide Clock and Decoder-Driver Circuits in Semiconductor Memories
4,679,001	L. P. West	Adaptive Stop-Notch Filter
4,679,038	D. B. Bantz, D. L. Malaby, and P. N. Sholtz	Band Buffer Display System
4,679,103	M. L. Workman	Digital Servo Control System for a Data Recording Disk File
4,679,141	J. H. Pomerene, T. R. Puzak, R. N. Rechtschaffen, P. L. Rosenfeld, and F. J. Sparacio	Pageable Branch History Table
4,679,169	C. de la Salle and G. D'Hervilly	Printer Hammer Resetting Control System
4,679,187	D. R. Irvin	Adaptive Trunk-Compression System with Constant Grade of Service
4,679,190	D. M. Dias, M. Kumar, Y.-C. L. Lien, and K. Maruyama	Distributed Voice-Data Switching on Multi-Stage Interconnection Networks
4,679,527	P. Chang	Magnetic Brush Developer
4,679,938	A. L. Flamholz	Defect Detection in Films on Ceramic Substrates
4,680,524	P. K. Do, J. G. Goodwin, and N. J. Krull	Mechanism for Positioning an Output Member
4,680,539	M. Y. Tsai	General Linear Shift Register
4,680,614	K. D. Beyer and V. J. Silvestri	Planar Void Free Isolation Structure
4,680,653	C. Y. Ng, N. K. Ouchi, D. T. Wang, and W. C. Yu	Rotating Storage Device Track Format Emulation
4,680,700	P. D. Hester and R. O. Simpson	Virtual Memory Address Translation Mechanism with Combined Hash Address Table and Inverted Page Table
4,680,703	T. A. Kriz	Data Processing System with Reorganization of Disk Storage for Improved Paging
4,680,705	N.-C. Shu	Automatic Data Restructurer
4,680,733	G. G. Duforestel, M. A. Lechaczynski, C. Y. Poiraud, and P. P. Viallon	Device for Serializing/Deserializing Bit Configurations of Variable Length
4,681,221	J. J. Chickanosky, J. W. Courtney, and R. H. Murphy	Holder for Plastic Leaded Chip Carrier
4,681,424	S. Kantor, G. J. Selby, and L. L. Wolfe	Compensation for Fine Line Prints
4,681,442	D. Wagner	Method for Surface Testing
4,681,467	J. P. Karidis	Impact Printing Applications
4,681,654	R. J. Clementi, C. E. Gazdik, W. Lafer, R. L. Lovesky, D. G. McBride, J. V. Munson, and E. P. Skarvinko	Flexible Film Semiconductor Chip Carrier
4,681,657	B.-T. Hwang, W. A. Orr-Arienzo, and R. Glang	Preferential Chemical Etch for Doped Silicon
4,682,050	H. L. Beranger, G. J. Gaudenzi, D. C. Reedy, and H. Schettler	Small Signal Swing Driver Circuit
4,682,056	G. J. Gaudenzi and D. C. Reedy	Switching Circuit Having Low Speed/Power Product
4,682,121	D. B. Chapman	Phase Discriminator and Data Standardizer
4,682,297	T. Iwami	Digital Raster Scan Display System
4,682,330	E. H. Millham	Hierarchical Test System Architecture
4,682,869	M. Itoh, T. Yokemura, and H. Yanagisawa	Image Processing System and Method
4,683,468	C. S. Himelstein and J. S. Wang	Method for Manipulation of Graphic Sub-Objects in an Interactive Draw Graphic System
4,683,470	T. N. Criscimagna, H. S. Hoffman, Jr., and W. R. Knecht	Video Mode Plasma Panel Display

4,683,505	L. J. Schmidt, R. L. Severson, L. R. Tufty, and S. H. Voss	Alternately Centered Disk Pack Assembly and Method
4,683,547	R. D. DeGroot	Special Accumulate Instruction for Multiple Floating Point Arithmetic Units Which Use a Putaway Bus to Enhance Performance
4,685,606	E. B. Flint, P. A. Gruber, R. F. Marks, G. Olive, and A. R. Zingher	Oxide-Free Extruded Thermal Joint
4,686,332	E. C. Greanias, R. Guarnieri, J. J. Seeland, Jr., G. F. Verrier, and R. L. Donaldson	Combined Finger Touch and Stylus Detection System for Use on the Viewing Surface of a Visual Display Device
4,686,392	T.-C. Lo	Multi-Functional Differential Cascode Voltage Switch Logic
4,686,462	R. J. Prilik	Fast Recovery Power Supply
4,686,464	M. Elsässer and R. Stöhr	Buckling Beam Test Probe Assembly
4,686,521	P. A. Beaven, D. A. Canton, N. B. Sargeant, and T. H. Snagge	Display Apparatus with Mixed Alphanumeric and Graphic Image
4,686,522	I. H. Hernandez, C. S. Himmelstein, and J. S. Wang	Method of Editing Graphic Objects in an Interactive Draw Graphic System Using Implicit Editing Actions
4,686,578	H. Asano	GII/GIII Transmission System
4,686,623	D. R. Wallace	Parser-Based Attribute Analysis
4,686,649	E. A. Rush, D. M. Howell, and R. A. Kolpek	Word Processor with Alternative Formatted and Unformatted Display Modes
4,686,699	B. J. Wilkie	Call Progress Monitor for a Computer Telephone Interface
4,687,192	R. E. Hunt	Sheet Feed Apparatus with Fixed Separator Protrusions
4,687,353	P. J. DeGeorge, R. F. Ross, and D. E. Sims	Automatic Format, Mode Control and Code Conversion for Data Processing and Printing Apparatus
4,687,539	F. C. Burns, R. W. Dreyfuss, and J. R. Susko	End Point Detection and Control of Laser Induced Dry Chemical Etching
4,687,988	E. B. Eichelberger, R. N. Langmaid, E. Lindbloom, F. Motika, J. L. Sinchak, and J. A. Waicukauski	Weighted Random Pattern Testing Apparatus and Method
4,688,012	A. Bohg, L. Fischer, B. Gantz, K. Hartmann, G. Wolfert	Electromagnetic Actuator Mechanism in Particular for Print Hammer Drives
4,688,016	W. W. Fok	Byte-Wide Encoder and Decoder System for RLL (1,7) Code
4,688,033	R. P. Carini, J. A. Donnelly, J. J. Ellis, Jr., and T. P. Lanzoni	Merged Data Storage Panel Display
4,688,035	J. P. Gray, P. J. Hansen, M. A. Lerner, and M. Pozefsky	End User Data Stream Syntax
4,688,063	N. C. Lu, T. H. Ning, and L. M. Terman	Dynamic Ram Cell with MOS Trench Capacitor in CMOS
4,688,069	R. C. Joy, B. M. Kemlage, and J. L. Mauer IV	Isolation for High Density Integrated Circuits
4,688,123	G. L. Sokol, M. J. Steen, and D. A. Stephen	Cartridge Handling Device and Method
4,688,151	C. J. Kraus, H. I. Stoller, and L. L. Wu	Multilayered Interposer Board for Powering High Current Chip Modules
4,688,172	C. G. Wright	Initialization Apparatus for a Data Processing System with a Plurality of Input/Output and Storage Controller Connected to a Common Bus
4,688,181	R. L. Cottrell and A. S. Murphy	Image Transformation on an Interactive Raster Scan or Matrix Display
4,688,222	A. Blum	Built-in Parallel Testing Circuit for Use in a Processor
4,688,223	F. Motika and J. A. Waicukauski	Weighted Random Pattern Testing Apparatus and Method