

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

2,460,147	J. Bleher, H. J. Bleher, H. Hasselmeier, W. Spruth, P. Stucki, and H. Weis	Compressed Information Storage for Characters Consisting of Black and White Areas Which are to be Displayed or Printed
2,965,213,908	A. Blum	Distributed Data-Flow-Oriented Clock Pulse Generators
2,965,367,608	W. Hehl	Actuator Mechanism for a Print Hammer or the Like
2,965,398,308	C. Schuenemann	Method and Arrangement for Fast Access to CCD-Storage
3,063,333,108	K. Hartmann	Arrangement for Feeding Electrodes in Metal Paper Printers
3,063,344,408	S. K. Wiedmann	Monolithically Integrated Storage Arrangement
3,063,452,708	S. K. Wiedmann	Method and Circuit Arrangement for Discharging Bit Line Capacitances of an Integrated Semiconductor Memory
3,160,277,008	E. E. Stadler	Plug Connection

France

20,999	B. Vanoudheusden	Method of Measuring the Memory Address Access Time (ATT) Utilizing a Data Recirculation Technique and a Tester for Accomplishing It
7,915,736	C. A. Jacquart	Switching Device and Switched-Type Power Supply Using the Same

United Kingdom

4,548	D. J. Barclay	Electrochromic Display Device
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United States

4,344,222	D. L. Bergeron and P. H. Smith	Bipolar Compatible Electrically Alterable Read-Only Memory
4,344,691	D. E. Grant and J. R. Walker	Zonal Concentrator for Accurate Erasure of Photoconductor Charge
4,344,815	V. Cazarra, A. Schwab, and P. Zunino	Method for Characterizing the Oxygen Contents of Czochralski Grown Silicon Rods
4,345,239	B. J. Elliott	Apparatus for Determining Pen Acceleration
4,345,278	G. P. Double	Acceleration Correction for Self-Clocking Write-Head
4,345,314	R. C. Melamud, J. D. Nihart, and J. M. White	Dynamic Threshold Device
4,347,735	K. S. Desai and G. E. Melvin	Process for Monitoring Solvent Content of Green Ceramic Sheet and Apparatus Therefor
4,352,117	J. J. Cuomo, R. W. Dreyfus, and J. M. Woodall	Electron Source
4,353,061	V. D. Beck	Apparatus and Method for Providing Electron Beam Patterns Using Expanded Beam Array
4,357,680	J. C. Greek, Jr. and C. N. Sprott	Selective Formatting of Blocks of Text Codes in a Memory of a Word Processing System
4,358,824	D. Glickman, J. T. Repass, W. S. Rosenbaum, and J. G. Russell	Office Correspondence Storage and Retrieval System
4,371,933	J. E. Bresenham, D. G. Grice, and S.-C. Pi	Bi-Directional Display of Circular Arcs
4,372,671	E. J. Berdinner, Jr.	Shock Absorbing Carriage Drive Coupling for Copier/Duplicators
4,372,672	R. W. Pries	Self-Trigging Quality Control Sensor
4,372,697	D. H. Babcock	Ribbon Drive Arrangement for a Printer
4,372,699	P. A. Quinn, Jr.	Sheet Feeder for Typewriters
4,373,166	D. L. Bergeron, D. J. Fleming, and G. B. Stephens	Schottky Barrier Diode with Controlled Characteristics
4,373,173	N. L. Robinson and R. D. Silksensen	Multi-Element Head Assembly
4,373,183	R. J. Means, G. P. Plunkett, Jr., C. A. Dennis, and J. L. Moon	Bus Interface Units Sharing a Common Bus Using Distributed Control for Allocation of the Bus
4,373,194	K. R. Demke and J. D. Dwire	Full Page Representation Through Dynamic Mode Switching
4,373,778	J. F. Adham	Connector Implemented with Fiber Optic Means and Site Therein for Integrated Circuit Chips
4,373,966	S. U. Kim	Forming Schottky Barrier Diodes by Depositing Aluminum Silicon and Copper or Binary Alloys Thereof and Alloy-Sintering
4,374,001	W. E. Bernier	Electrolytic Printing

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4,374,007	D. J. Barclay and J. M. L. Vigar	Trivalent Chromium Electroplating Solution and Process
4,374,321	J. E. Cunningham, Jr. and P. T. Gianos	Automatic Temperature Controller for an Electrographic Apparatus Fuser and Method Therefor
4,374,383	D. R. Polk and E. R. Williams, Jr.	Capacitive Transducer for Sensing a Home Position
4,374,386	C. R. Bildstein, H. P. Heibin, and H. P. Mathews	Force-Temperature Stabilization of an Electromagnetic Device
4,374,415	R. L. Cormier, R. J. Dugan, R. R. Guyette, and D. H. Wansor	Host Control of Suspension and Resumption of Channel Program Execution
4,374,417	D. J. Bradley, D. D. Gibbs, D. J. Kostuch, and J. S. Martin	Method for Using Page Addressing Mechanism
4,374,429	J. W. Cannon, B. D. Herrman, and R. Ramirez, Jr.	Information Transfer System Wherein Bidirectional Transfer is Effected Utilizing Unidirectional Bus in Conjunction with Key Depression Signal Line
4,374,586	R. A. Lamos and A. A. Rosati	Document Feed Sheet Aligner
4,374,618	T. W. Howard	Microfilm Camera Having a Moving Lens
4,374,625	R. F. Hanft and G. G. Pechanek	Text Recorder with Automatic Word Ending
4,374,626	R. W. Hooker	Erasing Typewriter with Automatic/Manual Selection
4,374,911	P. A. Hartley	Photo Method of Making Tri-Level Density Photomask
4,375,059	E. S. Schlig	Fast Charge Transfer Analog-to-Digital Converter
4,375,062	G. V. Sturm	Aspirator for an Ink Jet Printer
4,375,072	A. J. Rice	Self-Calibrating Overcurrent Detector
4,375,079	M. W. Ricketts and N. A. Stubbens	Digital Data Display System
4,375,085	G. D. Grise, N. Hsieh, H. L. Kalter, and C. H. Lam	Dense Electrically Alterable Read Only Memory
4,375,103	A. P. Arneith and C. L. Foshee	Method and Apparatus of Signalling Request to Send Clear to Send Delay
4,375,339	S. Dyer, J. J. Molloy, and D. A. Walker	Electrically Conductive Ribbon Break Detector for Printers
4,375,390	N. C. Anderson, L. E. Daby, V. D. Gravdahl, P. M. McCaffrey, B. A. Murray, and B. W. Wright	Thin Film Techniques for Fabricating Narrow Track Ferrite Heads
4,375,592	G. L. Cox and R. A. Maddox	Incremental Rotary Encoder
4,375,600	P. T. Wu	Sense Amplifier for Integrated Memory Array
4,375,652	J. M. White	High-Speed Time Delay and Integration Solid State Scanner
4,375,654	J. M. Evans, I. D. Judd, R. H. Lovie, and J. F. Minshall	Facsimile Vector Data Compression
4,375,656	A. J. Radman, Jr. and R. Yudico	Magnetic Head Assembly with Asymmetric Slotted Configuration
4,375,657	G. W. Brock, R. N. Hyland, E. J. Pawlowski, and F. B. Shelledy	Magnetic Head Assembly
4,376,057	R. W. Angelo and P. Bakos	Etchant Composition and Use Thereof
4,376,249	H. C. Pfeiffer, G. O. Langner, and M. A. Sturans	Variable Axis Electron Beam Projection System
4,376,252	C. J. Masenas, Jr.	Bootstrapped Driver Circuit
4,376,411	J. E. Carrington and R. Westcott	Print Hammer Limit Control
4,376,569	J. A. Barltrop, C. L. Bird, and G. C. S. Collins	Electrolyte for an Electrochromatic Display
4,376,587	D. K. Rex	Print Ribbon Protection
4,376,588	D. L. Moeller	Bi-Directional Serial Printer with Look-Ahead
4,376,897	J. J. Byrne, J. M. Ferre, and Y. R. Gopalakrishna	Low Voltage Serial to Parallel to Serial Charge Coupled Device
4,376,932	T. E. Cassada	Multi-Registration in Character Recognition
4,376,943	D. J. Bahr and M. Briska	Record Carrier for an Electro-Erosion Printer and Method for Making Same
4,376,960	K. N. Karol	Flexible Disk Stabilizing Structure
4,376,963	J. P. Knoop, J. R. Weiss, and J. C. Uy	Composite Magnetic Recording Disk
4,376,982	D. F. Bantz, M. F. Choquet, and J. L. Rosenfeld	Protocol for Inter-Processor Dialog Over a Communication Network
4,377,316	M. E. Ecker and L. T. Olson	High Density Interconnection Means for Chip Carriers
4,377,338	L. M. Ernst	Method and Apparatus for Copier Quality Monitoring and Control
4,377,633	K. M. Abrahamovich, C. J. Hamel, E. H. Payne, and D. R. Weed	Methods of Simultaneous Contact and Metal Lithography Patterning
4,377,803	J. B. Lotspiech and W. L. Wohler	Algorithm for the Segmentation of Printed Fixed Pitch Documents
4,377,806	J. E. Elliott and J. R. Elliott	Parallel to Serial Converter
4,377,842	C. S. Cambier	Flyback Voltage Control
4,377,845	H. R. Markham and P. R. Spivey	Optional Machine Inhibition for Feature Malfunction
4,377,849	W. C. Finger and G. B. Long	Macro Assembler Process for Automated Circuit Design
4,377,854	R. J. Braun, G. R. Carden, and K. A. Snyder	Substrate for Magnetic Domain Device
4,377,973	B. Gantz and H. D. Matthaei	Support for a Type Belt of a Line Printer
4,378,152	E. G. Edwards and M. R. Headrick	Hot Roll Fusing Nip and Means to Control Orientation of a Sheet's Leading Edge Thereto

4,378,383	H. Moritz	Method of Making Conductive Paths Through a Lamina in a Semiconductor Device
4,378,421	W. B. Larson	Cleaning Method and Apparatus for an Electrographic System
4,378,589	E. D. Finnegan and G. B. Marenin	Unidirectional Looped Bus Microcomputer Architecture
4,381,818	K. S. Sachar and V. J. Silvestri	Porous Film Heat Transfer
4,381,953	A. P. Ho and C. T. Horng	Polysilicon-Base Self-Aligned Bipolar Transistor Process
4,382,229	P. E. Cottrell and R. R. Troutman	Channel Hot Electron Monitor
4,382,286	J. L. Mitchell and P. Quarendon	Method and Apparatus for Compressing and Decompressing Strings of Electrical Digital Data Bits
4,382,592	S. R. Harding, R. A. Lamos, and D. C. Roller	Apparatus for Collating Sheets into Sets and Finishing Thereof
4,382,593	M. A. Beran and D. F. Colglazier	Vacuum Document Feeder
4,382,739	A. Mack and B. C. O'Neill	Light Actuating Force Elevator Drive Mechanism
4,382,837	R. F. Rutz	Epitaxial Crystal Fabrication of SiC:A1N
4,383,177	J. H. Keller and C. M. McKenna	Multipole Implantation-Isotope Separation Ion Beam Source
4,383,208	M. C. Nielson	Dynamic Determination of Friction in a Closed Loop Control System
4,383,216	J. A. Dorler, M. O. Jenkins, J. M. Mosley, and S. D. Weitzel	AC Measurement Means for Use with Power Control Means for Eliminating Circuit to Circuit Delay Differences