

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

2,408,829	K. Brack, P. Gansauge, and S. Beck	Method of Implantation of Boron Ions Utilizing a Boron Oxide Ion Source
2,829,709	D. Staiger	Pattern Generation System
3,066,548,608	G. Schorer	Method of Eliminating Lattice Defects in a Semiconductor Device
3,162,160,008	H. E. Korth	Paraboloidal Coupler for Light Wave Guides
3,162,204,608	G. Trippel, W. Steiner, H. Kienle, and G. Schmid	Process for Fabricating a Multi-layer Magnetic Thin Film
3,162,343,308	W. Jaerisch	Method of Moiré-Metrical Testing of Optical Imaging Systems

Switzerland

27,517	H. Rohrer	Scanning Tunneling Microscope
54,583	P. Chevillat and G. Ungerboeck	Method of Transmitting Binary Data Sequences and Arrangement

United States

4,411,972	B. Narken and H. C. Schick	Integrated Circuit Photomask
4,412,165	W. J. Case and C. N. Wallis	Sampled Servo Position Control System
4,412,166	C. H. Crider and C. R. Linton	Stepper Motor Drive Circuit for Synchronous Switching of Core Winding
4,412,194	B. D. Chase	Convergence Unit for In-Line Color Cathode Ray Tube
4,412,197	A. Bohg and K. Hartmann	Electromagnetic RAM Actuator
4,412,278	G. S. Cambier and L. P. Trubell	AC-to-DC Converter Using Polarized Input Isolation Capacitors
4,412,308	D. L. Bergeron	Programmable Bipolar Structures
4,412,312	H. H. Berger and S. K. Wiedmann	Multiaddressable Highly Integrated Semiconductor Storage
4,412,335	J.-C. Froment, J.-L. Marijon, G. Orengo, and M. Verhaeghe	Digital Signal Distribution System
4,427,267	G. C. Collins and D. J. Schiffrin	Metal Dipthalocyanine Electrochromic Displays and Electrolytes Therefor
4,427,312	W. L. Dollenmayer	Printwheel Detent
4,427,448	L. J. Hedlund and V. Puligandla	Corrosion Inhibiting Compositions for Metals
4,427,478	B. D. Grant and C. R. Jones	Process for Making an Encapsulated Circuit Board and Products Made Thereby
4,427,989	N. G. Anantha, H. S. Bhatia, S. P. Gaur, and J. L. Walsh	High Density Memory Cell
4,428,060	A. Blum	Shift Register Latch Circuit Means for Check and Test Purposes and Contained in LSI Circuitry Conforming to Level Sensitive Scan Design (LSSD) Rules and Techniques
4,428,064	H. O. Hempy, C. R. Kirkpatrick, and F. L. Robinson	Controlling Buffered Peripheral Subsystems
4,428,285	N. F. Cole and W. D. Thorne	Oscillatory Band and Hammer Dot Matrix Printer
4,428,676	J. C. A. Chastang and R. F. Koerner	Optical System for Oblique Viewing
4,428,692	J. W. Cannon	High Speed Impact Matrix Printer
4,429,237	H. C. Cranford, Jr., C. R. Hoffman, and G. B. Stephens	High Voltage on Chip FET Driver

4,429,303	M. O. Aboelfotoh	Color Plasma Display Device
4,429,306	G. C. Macauley, W. F. Nemecek, and R. W. Roefer	Addressing System for a Multiple Language Character Generator
4,429,360	R. L. Hoffman, W. G. Kempke, J. W. McGullough, F. G. Soltis, and R. T. Turner	Process and Apparatus for Interrupting and Restarting Sequential List-Processing Operations
4,429,363	A. H. Duke, M. H. Hartung, and F. J. Marachner	Method and Apparatus for Managing Data Movements From a Backing Store to a Catching Buffer Store
4,429,372	R. E. Berry and J. H. Wilson	Method for Integrating Structured Data and String Data on a Text Processing System
4,429,405	W. Bux and H. R. Mueller	Method of Transmitting Information Between Stations Attached to a Unidirectional Transmission Ring
4,429,948	R. L. Garwin	Optical Alignment Compensation
4,429,983	C. A. Cortellino, J. E. Levine, and H. C. Schick	Developing Apparatus for Exposed Photoresist Coated Wafers
4,429,987	J. P. Chang and M. L. Steinbrecher	Early Fuser Roll Closure With Reduced Force
4,429,992	G. Häusler, W. Järisch, and G. Makosch	Method and Device for Testing Optical Imaging Systems
4,430,072	R. M. Kellogg, V. R. Kruger, and A. P. Mulzet	Centrifuge Assembly
4,430,153	R. T. Gleason and H. G. Linde	Method of Forming an RIE Etch Barrier by In Situ Conversion of a Silicon Containing Alkyl Polyamide/Polyimide
4,430,365	P. M. Schaible and J. Suierveld	Method for Forming Conductive Lines and Vias
4,430,667	K. J. Gorga	Apparatus for Obtaining Multicolor Raster Images Using a Voltage Penetration Screen CRT
4,430,690	D. A. Chance, C. W. Ho, and T. C. Reiley	Low Inductance MLC Capacitor with Metal Impregnation and Solder Bar Contact
4,430,701	J. H. Christian, M. H. Hartung, A. H. Nolta, D. G. Reed, R. E. Rieck, G. E. Tayler, and J. S. Williams	Method and Apparatus for a Hierarchical Paging Storage System
4,430,705	J. A. Cannavino, A. R. Heller, M. Taradasky, and W. S. Worley, Jr.	Authorization Mechanism for Establishing Addressability to Information in Another Address Space
4,430,725	J. A. Elliott, J. W. McInroy, and P. D. Waldo	Method for Displaying Source and Destination File Headers for Easy Comparison of Proposed Header Changes
4,430,727	B. B. Moore, J. T. Rodell, A. J. Sutton, and J. D. Vowell	Storage Element Reconfiguration
4,430,730	P. C. Tien	FET Memory with Refresh
4,430,737	H. Beranger and A. Brunin	Exclusive Or Circuit and Parity Checking Circuit Incorporating the Same
4,430,782	R. J. Bornhorst and A. J. Bowen	Apparatus and Method for Burnishing Magnetic Disks
4,430,791	R. C. Dockerty	Sub-Micrometer Channel Length Field Effect Transistor Process
4,431,259	G. C. Bjorklund, C. R. Brauchle, D. M. Burland, H. E. Hunziker, and U. P. Wild	Holographic Recording Media for Infrared Light
4,431,305	S. D. Malaviya	High Density DC Stable Memory Cell
4,431,460	F. Barson and B. M. Kemlege	Method of Producing Shallow, Narrow Base Bipolar Transistor Structures via Dual Implantations of Selected Polycrystalline Layer
4,431,685	M. J. Canestaro, D. G. McBride, and J. A. Welsh	Decreasing Plated Metal Defects
4,431,707	R. W. Burns and I. S. Mahmoud	Plating Anodized Aluminum Substrates
4,431,872	P. L. Edwards and B. Ward	Telecommunication Receivers
4,431,912	L. D. Dickson, C. M. Pierce, O. L. Stokes, and N. J. Woodland	Method for Controlling the Operation of an Optical Scanner
4,432,025	J. M. Grogan	System and Method for Formatting Pairs of Concentric Magnetic Tracks of Different Capacity to a Plurality of Equal Capacity Logical Tracks
4,432,035	N. Hsieh, E. A. Irene, M. H. Ishaq, and S. Roberts	Method of Making High Dielectric Constant Insulators and Capacitors Using Same
4,432,057	T. P. Daniell, R. C. Harding, Jr., N. J. Lewis, and S. H. H. Nauckhoff	Method for the Dynamic Replication of Data Under Distributed System Control to Control Utilization of Resources in a Multiprocessing, Distributed Data Base System
4,432,072	H. H. Chao and D. J. DiMaria	Non-Volatile Dynamic RAM Cell
4,432,541	W. D. Clark, M. D. Garner, J. H. Rhodes, Jr., and B. L. Wilzbach	Recirculating Document Feed Apparatus and Method for Aligning Documents Therein
4,432,597	G. C. Bjorklund and G. T. Sincerbox	Transmissive Holographic Optical Element on Aberrating Substrate
4,432,631	J. L. Bacon and G. L. Smith	Photoconductor Charging Technique
4,432,809	P. W. Chye, E. W. Heran, M. V. Kulkarni, and G. Markovits	Method for Reducing Oxygen Precipitation in Silicon Wafers
4,432,855	L. T. Romankiw and R. J. von Gutfeld	Automated System for Laser Mask Definition for Laser Enhanced and Conventional Plating and Etching
4,433,252	S. C. Lewis	Input Signal Responsive Pulse Generating and Biasing Circuit for Integrated Circuits
4,433,283	J. E. Gersbach	Band Gap Regulator Circuit
4,433,392	P. A. Beaven	Interactive Data Retrieval Apparatus