

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

France

7,247,139	A. Genko and R. Barbier	Switching Device and System Embodying Said Device
7,301,486	A. Croisier	System for the Detection of Erroneous Data

Germany

1,774,370	G. Buehrmann and G. F. Schacht	Rotating Type Carrier with Shiftable Hammer Carrier
2,355,994	H. H. Lampe	Dynamic Digital Pulse Display

Switzerland

587,567	R. Broom and R. B. Laibowitz	Method for Producing Single Josephson Junction
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United Kingdom

1,456,453	J. R. Taylor	Improvements in or Relating to Phase Locked Oscillators
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United States

4,004,449	E. F. Gorey and G. H. Schwuttke	Impact Sound Stressing for Semiconductors
4,007,450	L. H. Haibt and A. P. Mullery	Data Sharing Computer Network
4,007,464	E. Bassous, L. Kuhn, A. Reisman and H. H. Taub	Ink Jet Nozzle
4,009,877	J. W. Ward, Jr.	Document Transport Device
4,010,064	W. J. Patrick, S. J. Scilla and W. A. Westdorp	Controlling the Oxygen Content of Czochralski Process of Silicon Crystals by Sandblasting Silica Vessel
4,010,453	S. C. Lewis	Stored Charge Differential Sense Amplifier
4,010,482	S. A. Abbas, N. G. Anantha and R. C. Dockerty	Non-Volatile Schottky Barrier Diode Memory Cell
4,010,574	L. B. Feierabend and O. R. Luhrs	Apparatus for Contouring Magnetic Head Surfaces and Method Therefor
4,010,894	R. M. Kellogg and V. R. Kruger	Centrifuge Fluid Container
4,011,060	M. Berkenblit, S. A. Chan, J. B. Landermann, A. Reisman and T. Takamori	Method of Controlling the Softening Point of Solder Glass
4,011,157	W. B. Pennebaker, Jr., K. S. Pennington, H. K. Seitz and F. Hochberg	Ultrasonic Removal of Solid Impurities from Recirculating Ink
4,011,351	E. Gipstein, W. M. Moreau and O. U. Need, III	Preparation of Resist Image with Methacrylate Polymers
4,011,449	W.-C. Ko and E. Sawatzky	Apparatus for Measuring the Beam Current of Charged Particle Beam
4,011,461	H. Chang, T. C. Chen and S.-Y. Lee	Pipelined Universal Bubble Logic Array
4,011,547	M. J. Kimmel	Data Processor for Pattern Recognition and the Like
4,011,587	N. K. Arter, T. F. Eichorn and C. H. Kalthoff	Rotary Head Magnetic Recorder for Use with a Specific Record Member
4,011,590	A. W. Orlando	Internal Division Actuation of Ventilated Floppy Disk Stack
4,011,591	A. W. Orlando and J. A. Weidenhammer	Internal Division Actuation of Ventilated Floppy Disk Stack
4,012,032	J. C. Rogers	Document Reproduction Having Output Means with Plural Outputs Operable in a Plurality of Modes
4,012,036	G. L. Sokol	Document Hopper
4,012,642	P. L. Guéret	Josephson Junction Logic Element
4,012,646	F. F. Fang and D. J. Herrell	Powering Scheme for Josephson Logic Circuits which Eliminates Disturb Signals
4,012,756	P. Chaudhari, F. M. d'Heurle and A. Gangulee	Method of Inhibiting Hillock Formation in Films and Film Thereby and Multilayer Structure Therewith
4,012,781	C. C.-H. Lin	Magnetoresistive Read Head Assembly for Servo Operation
4,013,039	F. Kubilius, G. F. Pavlovic and J. Woolf	Wet Processing PH Control

4,013,485	T.-P. Ma and W. H.-L. Ma	Process for Eliminating Undesirable Charge Centers in MIS Devices
4,013,891	W.-C. Ko and E. Sawatzky	Method for Varying the Diameter of a Beam of Charged Particles
4,014,005	J. L. Fox and E. E. Marquardt	Configuration and Control Unit for a Heterogeneous Multi-System
4,014,029	R. Lane and H. H. Taub	Staggered Nozzle Array
4,014,036	I. T. Ho and H. N. Yu	Single-Electrode Charge-Coupled Random Access Memory Cell
4,016,396	J. K. Hassan and C. V. Rabstajnek	Precision Tool and Workpiece Positioning Apparatus
4,017,688	P. R. Callens, J. L. Picard and A. J. Poulet	Method and Devices for Inserting Additional Pattern in, or Removing Same from, a Message
4,017,762	T. N. Criscimagna and M. J. Steinmetz	Voltage Controlled Sustain Frequency in a Gas Display Panel
4,017,883	I. T. Ho and J. Riseman	Single-Electrode Charge-Coupled Random Access Memory Cell with Impurity Implanted Gate Region
4,017,888	K. H. Christie, D. DeWitt and W. S. Johnson	Non-Volatile Metal Nitride Oxide Semiconductor Device
4,017,889	L. F. Miller	Ternary Barrier Structure for Conductive Electrodes
4,017,890	J. K. Howard and P. S.-C. Ho	Intermetallic Compound Layer in Thin Films for Improved Electromigration Resistance
4,018,187	J. J. Abbott and A. H. Caudill	Grooved Magnetic Brush Roll
4,018,490	M. Berkenblit, R. O. Lussow, K. C. Park and A. Reisman	Gas Discharge Display Panel Fabrication
4,018,496	M. S. Bilback	Interconnection for Conductor Assemblies Having Closely Spaced Conductive Lines
4,018,626	G. H. Schwuttke and K.-H. Yang	Impact Sound Stressing for Semiconductor Devices
4,018,938	R. Feder and E. A. Spiller	Fabrication of High Aspect Ratio Masks
4,019,015	J. K. Hassan, C. V. Rabstajnek and A. D. Wutka	Precision Tool and Workpiece Positioning Apparatus with Ringout Detection
4,019,188	F. Hochberg, W. B. Pennebaker and K. S. Pennington	Micromist Jet Printer
4,019,199	S. G. Chamberlain and L. G. Heller	Highly Sensitive Charge-Coupled Photodetector Including an Electrically Isolated Reversed Biased Diffusion Region for Eliminating an Inversion Layer
4,019,204	D. E. Griffiths and D. G. Norton	Fluidic Transducer Access Opening in a Stack of Flexible Record Disks
4,019,616	W. D. Thorne	Linear Motion Drive Apparatus for a Printer Carriage
4,019,886	A. R. Hoffman, A. H. Kendall and R. L. Rohr	Method of Manufacture of Multiple Glass Nozzle Arrays
4,020,234	R. A. Gardner	High-Alumina Content Compositions Containing BaO-MgO-SiO ₂ Glass and Sintered Ceramic Articles Made Therefrom
4,020,281	J. E. Davis, Jr.	Iterative Coordinate Data Approximation System for Photoemissive Pixel Pattern Display
4,020,333	H. J. Nussbaumer	Digital Filter for Filtering Complex Signals
4,020,460	J. D. Jones and D. M. Junod	Method and Apparatus of Checking to Determine if a Signal is Present on More than One of <i>n</i> Lines
4,020,462	T. H. Morrin, II	Method and Apparatus for Form Removal from Contour Compressed Image Data
4,020,466	V. A. Cordi and B. A. Edson	Memory Hierarchy System with Journaling and Copy Back
4,020,470	E. G. Drimak and T. A. Metz	Simultaneous Addressing of Different Locations in a Storage Unit
4,020,506	M. C. Barrett and E. S. Petterson	Tape Cartridge with Track Position Indicator
4,022,312	W. A. Abell, Jr.	Semi-Automatic Centering Control
4,022,368	T. Ando, H. Fujikura, N. Suzuki and A. Watanabe	Tape Cartridge Having Enhanced Tape Drive Facilities
4,022,371	E. R. Skarvinko and W. D. von Voss	Vapor Bonding Method
4,022,927	A. T. Pfeiffer and L. T. Romankiw	Methods for Forming Thick Self-Supporting Masks
4,022,932	B. C. Feng	Resist Reflow Method for Making Submicron Patterned Resist Masks
4,023,048	J. D. Tompkins	Self-Scanning Photo-Sensitive Circuits
4,023,142	R. J. Woessner	Common Diagnostic Bus for Computer Systems to Enable Testing Concurrently with Normal System Operation
4,023,147	C. Schuenemann and F. Tsui	Associative Capacitive Storage Circuits
4,023,148	K. Heuber, W. Klein, K. Najmann and S. K. Wiedmann	Write Speed-Up Circuit for Integrated Data Memories
4,023,150	O. Voegeli	Bubble Translation System
4,023,197	I. E. Magdo and S. Magdo	Integrated Circuit Chip Carrier and Method for Forming the Same