

Recent IBM Patents

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

France		
7,047,664	P. H. Closet	Device for Feeding Articles and More Particularly Contact Pins
Germany		
2,253,065	G. Kundel, L. Doehle, W. Pohle and H. R. Geng	Storage Interface Checking
Switzerland		
554,582	K. A. Mueller, W. V. Smith, D. H. Pohl and R. Badertscher	Method and Apparatus for Optional Storage and Read-out of Binary Information
United Kingdom		
1,349,950	P. L. Gardner and J. W. Jones	Microprogram Control System
1,351,420	A. G. Saunders	Improvements in Electric Digital Data Processing Systems
United States		
3,833,181	N. Watkins	Manually Actuated Tape Reel Latch
3,833,280	A. H. Bell	Automatic Storage Apparatus
3,833,870	L. J. Wallace	Print Hammer Firing Circuit
3,833,884	S. E. Bigbie and R. C. Hull	Badge or Credit Card Reading System with Integral Status Monitoring
3,833,894	A. Aviram and P. E. Seiden	Organic Memory Device
3,833,900	L. R. Bahl, D. I. Barnea and H. Kobayashi	Image Compaction System
3,833,910	W. H. Chen	Ink Drop Printer Charge Compensation
3,834,306	R. L. Gilbert and M. D. Hryck	Print Density Control
3,834,505	R. L. Fowler, J. D. Hill, R. W. McCornack, N. K. Perkins, M. L. Sendelweek, D. L. West, T. H. Williams and K. Yosmali	Ink Jet Printing Apparatus with Line Sweep and Incremental Printing Facilities
3,834,559	D. W. Schaffer	Article Handling Apparatus
3,834,807	S. R. Fuller, H. E. Munzel and C. A. Queener	Copier with Leading Edge Image Control
3,834,939	K. D. Beyer and R. F. Lever	Method of Forming Doped Silicon Oxide Layers on Substrates and Paint-on Compositions Useful in Such Methods
3,834,959	R. H. Dennard and D. P. Spampinato	Process for the Formation of Self-aligned Silicon and Aluminum Gates
3,835,249	A. J. Dattilo and D. W. Zegafuse, Jr.	Scanning Light Synchronization System
3,835,391	Y. Fang	Vestigial Sideband Signal Generator
3,835,415	E. M. Rutz and M. R. Kagan	High Radiance Semiconductor Laser
3,835,467	L. J. Woodrum	Minimal Redundancy Decoding Method and Means
3,835,998	R. O. Cobb and J. Lipp	Edge Locating Apparatus
3,836,478	D. C. Green and W. R. Young	Nematic Materials
3,836,774	A. M. Guzman, P. Y. Hu and T. N. Waller	Capstan-tachometer Assembly
3,836,789	J. R. Struk and R. G. Werner	Transistor-transistor Logic Circuitry and Bias Circuit
3,836,833	J. P. Harris, J. P. Mantey and D. R. Wood	Adaptive Motor Acceleration
3,836,892	R. R. DeSimone, N. M. Donofrio, R. H. Linton, G. Sonoda and W. T. Wade	D. C. Stable Electronic Storage Utilizing A.C. Stable Storage Cell
3,836,896	A. A. Rifkin	Non-volatile Magnetic Domain Device Having Binary Valued Bias Field Excitation
3,836,912	J. Ghougassian, J. Hart, H. Y. Jullusburger and P. Lowy	Drop Charge Sensing Apparatus for an Ink Jet Printing System
3,836,916	J. P. Wiley	Apparatus for Exposing Lines on a Photo-sensitive Surface
3,836,957	K. A. Duke and B. U. Messina	Data Storage System with Deferred Error Detection

3,836,958	D. H. McMurtry	Optical Character Recognition Scanning Apparatus
3,836,992	S. A. Abbas, C. A. Barlie, R. D. Lane and P. T. Liu	Electrically Erasable Floating Gate FET Memory Cell
3,837,596	R. E. Lagergren	Self-threading Take-up Spool Device
3,837,638	T. H. Anderson, G. J. O'Konski and M. N. Zell	Sheet Pick-up and Feeding Device
3,837,690	H. R. Fraser, Jr., R. T. Larson and H. O. Rinkleib	Information Storage Articles Employing Resilient Locking Sleeves
3,837,724	P. H. Haberland, F. M. Lay, T. J. Murphy, M. B. Skolnik, O. S. Spencer, P. R. Wagner, H. L. Whitaker and D. M. Wilson	Gas Panel Fabrication
3,837,851	M. D. Shattuck and W. J. Weiche	Photoconductor Overcoated with Triarylpyrazoline Charge Transport Layer
3,838,204	J. Ahan, B. Schwartz and D. L. Wilcox	Multilayer Circuits
3,838,405	P. C. Arnett and J. J. Chang	Non-volatile Diode Cross Point Memory Array
3,838,442	C. B. Humphreys	Semiconductor Structure Having Metallization Inlaid in Insulating Layers and Method for Making Same
3,838,453	W. S. Buslik and D. H. Pennington	Track Following System for Magnetic Tape Recorder
3,838,455	C. P. Barnard	Head Carriage Assembly for Magnetic Disk Storage Apparatus
3,838,457	R. S. Palmer	Track Seeking and Following Servo System
3,838,461	R. A. Barbeau, B. W. McGinnis and J. A. Weidenhammer	Aerodynamic Partitioning Mechanism for Random Access Memory with Flexible Rotating Discs
3,838,462	R. A. Barbeau, B. W. McGinnis, A. W. Orlando and J. A. Weidenhammer	Partitionable Disc Memory with Flexible Discs and Conformally Suspended Head
3,838,506	K. N. Karol	Aluminum Surface and Treatment Thereof to Enhance Adhesion in Printed Circuit Laminates
3,838,804	E. J. Bonafino	Non-shingling Forms Feed Tractor
3,839,070	R. B. Jablonski, J. J. Kotla and J. F. Martone	Pressure Sensitive Recording System and Method of Providing a Split Image Therefor
3,839,702	A. M. Chaires, J. M. Ciconte, J. J. Hilliard and W. S. Rosenbaum	Bayesian Online Numeric Discriminant
3,839,704	D. R. Spencer	Control for Channel Access to Storage Hierarchy System
3,839,706	E. Borchsenius	Input/output Channel Relocation Storage Protect Mechanism
3,839,721	W. H. Chen, J. H. Meier and W. T. Pimbley	Device for Retention of Ink Jet Nozzle Clogging and Ink Spraying
3,838,727	R. J. Herdrik, D. A. Jeannotte, G. W. Peterson and M. J. Sullivan	Improved Semiconductor Chip to Substrate Solder Bond Using a Locally Dispersed, Ternary Intermetallic Compound
3,839,731	G. A. Hart, E. P. Kollar and O. R. Luhrs	Apparatus for Sensing Relative Position Behind Head and Track in Transverse Magnetic Recording Without a Separate Control Track
3,839,734	I. C. George and N. W. Luland	Air Turbulence Utilized to Clear Disc
3,839,800	S. Bederman and L. G. Lankford	Method and Apparatus for Precisely Contouring a Work-piece Imprecisely Positioned on a Fixture
3,839,920	R. B. Mulvany, A. D. Rizzi and J. H. Wright	Drive Coupling Apparatus
3,840,283	A. J. Eldridge, Jr. and A. Sansom	Method of Constructing a Deformographic Storage Display Tube
3,840,409	K. G. Ashar	Insulating Layer Pedestal Transistor Device and Process
3,840,809	B. H. Yun	Non-destructive Measurement of Dielectric Properties
3,840,854	P. A. Franaszek	Limitation of A.C. Coupling Distortion in Magnetic Recording
3,840,863	R. R. Fuqua and G. B. Hasler	Dynamic Storage Hierarchy System
3,840,865	F. Holtzberg, A. F. Mayadas, W. A. Thompson and S. von Molnar	Detection of Magnetic Domains by Tunnel Junctions
3,840,886	K. Ashar and S. Magdo	Microampere Space Charge Limited
3,840,888	F. H. Gaenssler and L. M. Terman	Complementary MOSFET Device Structure
3,840,891	G. A. Hellwarth	Time Duration Modulation and Demodulation for Storage or Transmission of Digital Data
3,840,894	P. J. Arseneault	Wide Rotor for Stable Support of Tape Along Path of Transducer Carried by Rotor
3,840,898	C. H. Bajorek, L. T. Romankiw and D. A. Thompson	Self-biased Magnetoresistive Sensor
3,840,978	J. R. Lynch, L. E. Otten and H. Wenskus	Method for Positioning and Bonding
3,841,883	T. A. Sherk and R. R. Tummala	Bi ₂ O ₃ Containing PbO-ZnO-B ₂ O ₃ Low Temperature Sealing Glass
3,841,892	K. A. Krause and Y. Moradazeh	Method for Transferring Developed Image
3,841,926	R. R. Garnache and W. M. Smith, Jr.	Integrated Circuit Fabrication Process

3,842,331	K. E. Hendrickson, W. A. Lopour and L. F. Matison	Digital Stepping Motor Control System
3,842,364	R. Srinivasan	Photochemical Iodine Laser
3,842,402	A. H. Ett and W. S. Rosenbaum	Bayesian Online Numeric Discriminator
3,842,405	B. D. Key, M. L. Kingdom Hockings, M. N. G. Lovelace, H. C. Rankin and J. B. Stredwick	Communication Control Unit
3,842,407	B. E. Argyle and T. H. DiStefano	Inductive Sensor for Magnetic Bubble
3,842,414	T. C. Chen and I. T. Ho	Binary Coded Decimal Conversion Apparatus