

Recent IBM Patents

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

France		
6,934,250	Data Transmission System	<i>H. J. Nussbaumer</i>
6,945,807	Frequency Domain Signal Equalization Device	<i>H. J. Nussbaumer, A. E. Desblache and J. M. Pierret</i>
7,231,079	Improvements in Systems for Detecting Distorted Data	<i>J. Monrolin, H. J. Nussbaumer and J. M. Pierret</i>
7,231,080	Terminal Controller	<i>R. Miran</i>
Germany		
1,547,359	Optical Registration of an Object with Reference to a Coordinate System ...	<i>K. M. Kosanke, W. W. Kulcke and E. Max</i>
1,549,465	Multiplication Arrangement	<i>F. Tsui</i>
1,938,912	Arithmetic and Logical Unit with Error Checking	<i>G. Keller, G. Knauff, F. Skuin and E. Vogt</i>
2,128,953	Bridge Circuit for Measuring a Plurality of Positive and Negative Voltages with One Single Reference Voltage	<i>F. Koederitz, H. H. Lampe, H. Painke and F. Simonini</i>
Japan		
0,682,689	Parallel Control System for Numerically Controlled Machine Tools	<i>A. Watanabe</i>
Sweden		
0,351,935	Device for Optical Reading of a Line Code on a Diffusely Reflecting Surface.	<i>T. P. Bohlin</i>
United States		
3,719,885	Statistical Logic Test System Having a Weighted Random Test Pattern Generator	<i>R. G. Carpenter, E. Lindbloom and M. T. McMahon, Jr.</i>
3,719,896	Phase Lock Oscillator with Phase Compensation Circuit for Use in Data Processing System	<i>C. P. Hollistein, Jr., G. H. Kiltz and F. J. Sordello</i>
3,719,940	Gas Display Panel Dynamic Honeycomb	<i>F. M. Lay and A. W. McDowell</i>
3,720,465	Electrophotographic Apparatus with Synchronized Document Illumination and Scanning Feature	<i>G. D. Bruce, R. V. Davidge, R. L. Fowler, G. W. Hobgood, Jr., H. C. Locklar, Jr. and G. W. Van Cleave</i>
3,720,598	Cryogenic Arc Furnace and Method of Forming Materials	<i>W. A. Thompson</i>
3,720,875	Differential Encoding with Lookahead Feature	<i>P. A. Franaszek, D. D. Grossman and P. M. Will</i>
3,720,877	Metal Vapor Discharge Tube Using Metal and Semi-metal Compounds in a Discharge Tube	<i>C. B. Zarowin</i>
3,720,919	Photonically Partitioned Continuous Gas Envelope and Transiently Energized Pilot Discharge Areas Used in Address Selection of Display Firing Coordinates	<i>W. R. Lamoureux</i>
3,720,921	Recording in Reversible, Photochromic Medium	<i>R. S. Schools and G. T. Sincerbox</i>
3,720,928	Sensing of Cylindrical Magnetic Domains	<i>H. Chang</i>
3,721,451	Record Medium Driving Arrangements for Sound Transducing Apparatus ..	<i>C. M. Fackler and D. H. Lenderking</i>
3,721,583	Vapor Phase Epitaxial Deposition Process for Forming Superlattice Structure	<i>A. E. Blakeslee</i>
3,721,589	Method for Diffusing Zinc into a Semiconductor Substrate without Winging ..	<i>J. A. Aboaf</i>
3,721,781	Pneumatic Read Head for Document Cards	<i>J. W. Berkman, R. E. Lagergren, M. J. Ricklefs and W. S. Schaffer</i>
3,721,808	Pneumatic Document Card Reader	<i>R. F. Dimmick, R. E. Lagergren, R. F. Markley, M. J. Ricklefs and W. S. Schaffer</i>
3,721,838	Repairable Semiconductor Circuit Element and Method of Manufacture	<i>N. F. Brickman and L. B. Freeman, Jr.</i>
3,721,961	Data Processing Subsystems	<i>G. H. Edstrom, R. M. Elwell and J. W. Irwin</i>
3,721,967	Head Carriage Assembly for Magnetic Disk Storage Drive	<i>R. A. Englert, M. Sereno, R. F. Fasano and D. D. Palmer</i>
3,722,655	Semi-automatic Form Loading for Printers	<i>F. W. Singer</i>
3,722,879	Control Apparatus for Document Stackers	<i>D. L. Johnston and M. E. Nyberg</i>
3,723,199	Outdiffusion Epitaxial Self-isolation Technique for Making Monolithic Semiconductor Devices	<i>M. B. Vora</i>

3,723,200	Epitaxial Middle Diffusion Isolation Technique for Maximizing Microcircuit Component Density	<i>P. P. Castrucci, E. G. Grochowski, M. S. Hess and E. B. Zachos</i>
3,723,710	Method and Device for Reading and Decoding a High Density Self-clocking Bar Code	<i>W. G. Crouse and J. E. Jones</i>
3,723,715	Fast Modulo Threshold Operator Binary Adder for Multi-number Additions ..	<i>T. C. Chen and I. T. Ho</i>
3,723,748	Digital Tachometer with Symmetrical Output	<i>R. L. Coburn and O. Roth</i>
3,723,837	Resistor Bed Structure for Monolithic Memory	<i>P. H. Bardell</i>
3,723,971	Serial Loop Communications System	<i>W. K. Betts and A. P. Sawtschenko</i>
3,723,975	Overdue Event Detector	<i>H. L. Kurtz, Jr., G. H. Smith and C. H. Wolff</i>
3,723,976	Memory System with Logical and Real Addressing	<i>J. A. Alvarez and R. P. Barner, Jr.</i>
3,724,479	Pneumatic Valve	<i>R. F. Dimmick</i>
3,724,633	Feed System for an Adhesive Ribbon or the Like	<i>F. J. Korb and J. O. Schaefer</i>
3,724,702	Equipment Enclosure	<i>R. C. Kay</i>
3,724,725	Electroscopic Powder Feeding Apparatus Utilizing Rotating Helical Mem- bers	<i>R. A. Stauffer</i>
3,724,749	Key Punch Feature	<i>W. F. Beausoleil</i>
3,724,938	Variable Contrast Image Projection	<i>D. A. Nepela</i>
3,724,942	Photoconductor Discharge Shutter Assembly	<i>D. K. Gibson and F. W. Johnson</i>
3,725,118	Coated Carrier Particles with Magnitude of Triboelectric Charge Controlled and Method of Making Same	<i>S. R. Fuller, Jr., H. E. Munzel and K. D. Woosley</i>
3,725,285	Magnetic Coating Compositions	<i>H. H. Denk and J. J. Sabad</i>
3,725,309	Copper Doped Aluminum Conductive Stripes	<i>I. Ames, F. M. d'Heurle and R. E. Horstmann</i>
3,725,584	Acoustic Coupler	<i>C. C. Kilmer and R. J. Orchard</i>
3,725,655	Media Transport Performance Measurements	<i>G. H. Edstrom and E. P. Lutter</i>
3,725,731	Self-scanning Plasma Display Device with Phosphor Screen	<i>B. Kazan</i>
3,725,764	Servo Positioning System for Magnetic Disk Memory Including Radial Run- out Servo Compensation	<i>R. K. Oswald</i>
3,725,787	Exigent Multisatellite Digital Radio Communications System	<i>J. R. Featherston</i>
3,725,861	Apparatus and Method for Establishing Exact Record Reorientation after Error Condition in a Data Storage Subsystem	<i>R. J. Hancock</i>
3,725,862	Line Finding System and Method for Character Recognition	<i>D. C. Roberts</i>
3,725,864	Input/Output Control	<i>W. A. Clark, K. A. Salmond and T. S. Stafford</i>
3,725,878	Memory Cell Circuit	<i>A. R. Berding</i>
3,725,879	Functional Memory Cell	<i>D. H. Martin</i>
3,725,885	Method and Apparatus for Amplitude Sensing and Data Gating in a Magnetic Storage Device with Digital Interface	<i>R. Andresen</i>
3,725,951	Electro-ionic Printing	<i>R. E. McCurry</i>
3,726,002	Process for Forming a Multi-layer Glass-Metal Module Adaptable for Inte- gral Mounting to a Dissimilar Refractory Substrate	<i>B. Greenstein, P. R. Langston, Jr., B. Narken and M. N. Turetzky</i>
3,726,190	Integrated Adder Drive Assembly Including Damper, Hydraulic Power Supply, and Paper Tape Feed	<i>H. A. Panissidi</i>
3,726,592	Method and Apparatus for Detecting Moisture	<i>E. A. Corl and K. S. Daghir</i>
3,726,664	Magnetic Alloy Particle Compositions and Method of Manufacture	<i>C. C. Parker, R. W. Polleys and J. S. Vranka</i>
3,726,679	Light Sensitive Epoxy Formulation	<i>O. R. Abolafia and M. J. Canestaro</i>
3,726,714	Magnetic Recording Media Including Compositions of Carbon Modified Chromium Oxide	<i>R. S. Haines</i>
3,726,719	Ion Implanted Semiconductor Structures	<i>K. Brack, E. F. Gorey and G. H. Schwuttke</i>
3,726,776	Sputtering Process for Producing Single Crystal Thin Films	<i>J. J. Cuomo, A. F. Mayadas and R. Rosenberg</i>
3,727,005	Delta Modulation System with Randomly Timed Multiplexing Capability ...	<i>P. A. Franaszek</i>
3,727,030	Hand Probe for Manually Operated Optical Scanning System	<i>D. H. McMurtry</i>
3,727,039	Single Select Line Storage System Address Check	<i>F. A. Baker and W. R. Sitler</i>
3,727,075	Missing Type Detector	<i>F. Buckley, G. Melynk and B. A. Wolfe</i>
3,727,115	Semiconductor Electroluminescent Diode Comprising a Ternary Compound of Gallium, Thallium, and Phosphorous	<i>D. C.-T. Shang</i>
3,727,124	Speed Controlled Timing Light	<i>H. Kahen</i>
3,727,153	Automatic Equalizer Using Recirculation	<i>G. K. McAuliffe</i>
3,727,173	Zero-insertion Force Connector	<i>L. S. Goldmann, D. A. Jeannotte, C. Corners and B. Krall</i>
3,727,197	Magnetic Means for Collapsing and Splitting of Cylindrical Domains	<i>H. Chang</i>
3,727,303	Method of Forming Gaps for Small Magnetic Heads	<i>G. W. Brock and R. Stephens</i>

3,727,859	Means for Equalizing the Loading Characteristics of Vacuum Columns	<i>R. P. Dobransky, F. B. Froelich, B. J. Halter and W. H. Middleton</i>
3,728,016	Cleaning Apparatus for Electrostatic Copy Devices	<i>W. P. Harbour, Jr. and C. A. Queener</i>
3,728,118	Process for Producing Multiple Recording in a Single Medium	<i>G. L. Fillmore and R. F. Tynan</i>
3,728,166	Semiconductor Device Fabrication Method and Product Thereby	<i>P. H. Bardell, Jr., F. Barson, C. E. Benjamin and R. P. Pecoraro</i>
3,728,424	Method of Making Flat Cables	<i>R. R. Bauer</i>
3,728,592	Semiconductor Structure Having Reduced Carrier Lifetime	<i>M. L. Joshi, B. J. Masters, O. R. Viva and T.-H. Yeh</i>
3,728,692	Instruction Selection in a Two-program Counter Instruction Unit	<i>J. W. Fennel, Jr.</i>
3,728,769	Apparatus for Assembling a Module Element to a Substrate Element	<i>R. L. Judge and E. S. Pearson</i>
3,728,963	Ribbon Feed Cartridge	<i>A. A. Dowd</i>
3,729,201	Miniature Disc Dictation Machine Featuring Absolute Synchronized Disc-transducer Driving Arrangement	<i>W. L. Dollenmayer</i>
3,729,206	Vacuum Holding Apparatus	<i>R. P. Cachon, A. L. Perlmann and M. A. Schorr</i>
3,729,249	Method and Apparatus for Large Object Interference Pattern Recording	<i>M. A. Habegger and G. T. Sincerbox</i>
3,729,316	Optimized Glass Photographic Mask	<i>P. P. Castrucci, N. F. Haddad and R. P. Pecoraro</i>
3,729,618	Scanning Mechanism and Printer	<i>R. S. Drew and J. E. Jones</i>
3,729,622	Production Statistics Counter for Key Entry Device	<i>J. Lettieri and R. H. E. Pett</i>
3,729,633	Optical Receiver Having a Maximized Signal-to-noise Ratio	<i>S. Eros and P. M. Thrasher</i>
3,729,662	Semiconductor Resistor	<i>J. L. Langdon</i>
3,729,713	Data Processing Peripheral Subsystems	<i>J. W. Irwin</i>
3,729,714	Proportional Space Character Display Including Uniform Character Expansion	<i>R. S. Heard</i>
3,729,716	Input/Output Channel	<i>J. A. Arulpragasam, J. F. Minshull and A. S. Murphy</i>
3,729,719	Stored Charge Storage Cell Using a Non Latching SCR Type Device	<i>S. K. Wiedmann</i>
3,729,720	Turntable for Rigidly Mounting Thin Flexible Magnetic Discs	<i>R. H. Darling and L. R. Siegl</i>
3,729,724	High-density Magneto-optic Readout Apparatus	<i>W. E. Ahearn, G. S. Almasi and E. R. Genovese</i>
3,729,731	Moving Gas Panel Display System	<i>K. L. Konnerth and C. Lanza</i>