

Recent IBM Patents

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

France

7,118,314	Narrow-band Digital Filter	<i>D. J. Esteban</i>
7,119,835	Line Circuit for Telephone Installation	<i>P. H. Hernandez</i>
7,119,836	Improved n-Path Filters	<i>J. C. Froment and J. L. Monrolin</i>
7,120,613	Audio Multifrequency Signal Receiver	<i>E. Morlec</i>

Germany

2,135,625	Circuit Arrangement for Automatic Write Suppression	<i>G. Keller and U. Olderdissen</i>
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Sweden

0,353,170	Method for Time Multiplex Control of Data Transmission Lines Connected to a Communication Adapter	<i>H. A. Schaal, I. G. Miethe and E. S. Prame</i>
0,353,170	Method for Time Multiplex Control of Data Transmission Lines	<i>H. A. Schaal</i>

Switzerland

0,536,028	Process for Making Monolithic Devices with Isolated Transistors	<i>I. Jones and A. J. Rideout</i>
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United Kingdom

1,299,530	Decoding Circuit	<i>C. E. Owen</i>
1,302,990	Adders	<i>P. L. Gardner</i>

United States

3,729,966	Apparatus for Contouring the Surface of Thin Elements	<i>H. A. Khoury and H. R. Rottmann</i>
3,730,595	Linear Carrier Sender and Receiver	<i>C. Yakubowski</i>
3,730,602	Cartridge Particularly Suitable for Disc Record Member	<i>J. L. Campbell, W. F. Klein and D. E. Lowry</i>
3,730,760	Vertical Centrifugal Spin Coating Method	<i>A. A. Machmiller</i>
3,730,782	Non-activated Soldering Flux	<i>R. M. Poliak and L. D. Rauch</i>
3,730,786	Performance Matched Complementary Pair Transistors	<i>H. N. Ghosh</i>
3,731,061	Two-way Drive Mechanism	<i>R. L. Laybourn</i>
3,731,146	Toner Distribution Process	<i>A. C. Bettiga and L. S. Chang</i>
3,731,176	Deceleration and Stop-lock Motor Control Apparatus	<i>J. O. Mitchell, S. D. Roberts and R. W. VanPelt</i>
3,731,177	Disc File Head Movement Control System	<i>R. D. Commander and J. D. Dixon</i>
3,731,191	Micro-miniature Probe Assembly	<i>R. L. Bullard and D. C. Wheeler</i>
3,731,198	Synchronization Device for Anti-jamming Communications System	<i>H. L. Blasbalg</i>
3,731,289	Cleaning Apparatus and Method in a Magnetic Tape Unit	<i>T. A. Bajgert and W. J. Schaffer</i>
3,731,375	Monolithic Integrated Structure Including Fabrication and Packaging Therefor	<i>B. Agusta, P. H. Bardell, P. P. Castrucci, R. A. Henle and R. P. Pecoraro</i>
3,731,759	Acoustic Filter	<i>D. G. Carlson</i>
3,731,781	Ribbon Supply Cartridge	<i>A. H. Caudill and W. Goff, Jr.</i>
3,731,823	Wafer Transport System	<i>G. R. Goth</i>
3,732,374	Communication System and Method	<i>E. Y. Rocher and S. E. Schuster</i>
3,732,440	Address Decoder Latch	<i>S. Platt and J. N. Pomeranz</i>
3,732,480	Open Loop Stepping Motor Acceleration-deceleration Control	<i>K. E. Hendrickson and L. F. Mattson</i>
3,732,543	Loop Switching Teleprocessing Method and System Using Switching Interface	<i>E. Y. Rocher and S. E. Schuster</i>
3,732,930	Storage Rack and Sprinkler Arrangement	<i>J. F. D'Anneo</i>
3,733,068	Dual Stack to Common Path Document Feed Apparatus and Method	<i>G. D. Herring and K. R. Reid</i>
3,733,526	Lead Alloy Josephson Junction Devices	<i>W. Anacker, K. R. Grebe, J. H. Greiner, S. K. Lahiri, K. C. Park and H. H. Zappe</i>
3,733,536	Current Sensor for Low Pass Filter	<i>A. V. Gillow and W. P. Marple</i>
3,733,565	Equalizer for Linearizing a Transmission Channel Phase-frequency Response Utilizing Odd and Even Order All-pass Networks	<i>J. M. Pierret</i>
3,733,600	Analog-to-digital Converter Circuits	<i>G. A. Hellwarth and J. E. Milton</i>
3,733,893	Surface Characterization	<i>H. G. Bickford, L. A. Kieny, Jr. and L. G. Peltier, Jr.</i>
3,733,993	Apparatus for Developing Photographic Materials	<i>D. J. Lasky</i>
3,734,013	Multiple Hammer Magnetic Pole Piece Block	<i>K. A. Belser</i>
3,734,386	Wiring Apparatus with Wire Path Forming Means	<i>H. K. Hazel</i>
3,734,620	Multiple Band Atomic Absorption Apparatus for Simultaneously Measuring Different Physical Parameters of a Material	<i>P. E. Cade</i>

3,734,787	Fabrication of Diffused Junction Capacitor by Simultaneous Outdiffusion ..	<i>V. A. Dhaka and W. F. Krolkowski</i>
3,734,791	Surfactant-containing Soldering Fluxes	<i>R. M. Poliak</i>
3,734,869	Rotary Switch Assembly with Adjustable Programming Limit Mechanism ..	<i>E. A. Menard and D. O. Webster</i>
3,735,052	Magnetic Head Assembly Using Titanium Dioxide and Barium Titanate Slider	<i>H. M. Hoogendoorn and C. M. McIntosh</i>
3,735,093	Step Motor and Controls for Non-oscillating Punch/Read Positioning of 80-Column Record Cards	<i>F. T. Kendall, D. L. Pierce and W. J. Weikel</i>
3,735,105	Error Correcting System and Method for Monolithic Memories	<i>G. A. Maley</i>
3,735,106	Programmable Code Selection for Automatic Address Answerback in a Terminal System	<i>J. T. Hollaway</i>
3,735,142	Manually Operated Bar Coding Scanning System	<i>J. D. Harr and D. H. McMurtry</i>
3,735,182	Gray Scale Gas Panel	<i>J. J. Dalton and M. B. Skolnik</i>
3,735,357	Priority System for a Communication Control Unit	<i>A. W. Maholick, F. A. Newlin III, R. E. Snyder and S. R. Stager III</i>
3,735,358	Specialized Array Logic	<i>I. T. Ho</i>
3,735,360	High Speed Buffer Operation in a Multiprocessing System	<i>D. W. Anderson, R. N. Gustafson, L. H. Johnson and F. J. Sparacio</i>
3,735,362	Shift Register Interconnection System	<i>R. Ashany, L. M. Audretsch, Jr. and M. J. Pisterzi</i>
3,735,368	Full Capacity Monolithic Memory Utilizing Defective Storage Cells	<i>W. F. Beausoleil</i>
3,735,390	Method and Circuit for Converting an Analog Signal into a Simultaneous Digital Signal	<i>K. E. Drangeid and A. Moser</i>
3,735,696	Front-back Printer	<i>J. E. Dayger, J. E. Drejza and O. F. Moneagle</i>
3,735,771	Pneumatic Reader for Perforated Media	<i>H. A. Panissidi</i>
3,735,911	Integrated Circuit Chip Repair Tool	<i>W. C. Ward</i>
3,736,043	Electrochemical Molecular Display and Writing	<i>C. J. Sambucetti</i>
3,736,044	Dispersive Acoustical Deflector for Electromagnetic Waves	<i>E. G. Lean and C. G. Powell</i>
3,736,045	Fast Optical Guided Wave Modulator and Digital Deflector	<i>P. F. Heidrich, L. Kuhn and K. S. Pennington</i>
3,736,055	Reproduction Apparatus Incorporating Alternate Redevelopment and Re-imaging Cycles for Multiple Copies	<i>R. V. Davidge, G. W. Hobgood, Jr., C. A. Queener, J. W. Spears and B. G. Thompson</i>
3,736,170	Process for Improved Adhesion of Electroless Copper to a Polyimide Surface	<i>J. C. Lo and M. T. Orinik</i>
3,736,414	Transversal Filter Equalizer for Partial Response Channels	<i>G. K. McAuliffe</i>
3,736,419	Magnetoresistive Sensing of Bubble Domains with Noise Suppression	<i>G. S. Almasi and G. E. Keefe</i>
3,736,424	Corona Discharge Device	<i>T. F. Cecil II and R. V. Davidge</i>
3,736,459	Layer Activated Holographic Data Selection and Display Apparatus	<i>T. J. Harris</i>
3,736,461	Dark Trace Storage Tube System	<i>B. Kazan</i>
3,736,467	Reed Relay Circuit for Controlling Inductive Loads	<i>H. E. Meier and J. C. Yarrington</i>
3,736,477	Monolithic Semiconductor Circuit for a Logic Circuit Concept of High Packing Density	<i>H. H. Berger and S. K. Wiedmann</i>
3,736,488	Stepping Motor Control System Utilizing Pulse Blanking and Pulse Injection Techniques Including Plural Shaft Encoder	<i>D. G. Abraham, P. P. Grenchus and R. A. McSparran</i>
3,736,566	Central Processing Unit with Hardware Controlled Checkpoint and Retry Facilities	<i>D. W. Anderson, R. N. Gustafson, L. H. Johnson, F. J. Sparacio, W. M. Tomas and J. J. Webster</i>
3,736,569	System for Controlling Power Consumption in a Computer	<i>W. G. Bouricius, D. C. Jessep, Jr., W. C. Carter and A. B. Wadia</i>
3,736,573	Resistor Sensing Bit Switch	<i>F. T. Blount, H. A. Geller, R. D. Moore, H. Leung, S. C. Lewis and J. M. Redmond</i>
3,736,574	Pseudo-hierarchy Memory System	<i>J. E. Gersbach</i>
3,736,577	Domain Transfer between Adjacent Magnetic Chips	<i>H. Chang</i>
3,736,651	Automatic Pin Insertion and Bounding to a Metallized Pad on a Substrate Surface	<i>J. M. Law, A. A. Strickler and W. Von Kaenel</i>
3,737,096	Blood Processing Control Apparatus	<i>A. L. Jones, G. T. Judson, R. M. Kellogg and V. R. Kruger</i>
3,737,097	Machine for Punching and Printing Document Cards	<i>T. B. Barna, R. F. Dimmick, M. J. Ricklefs, W. S. Schaffer and G. W. Westphal</i>
3,737,282	Method for Reducing Crystallographic Defects in Semiconductor Structures ..	<i>E. W. Hearn, G. H. Schwuttker and E. H. Tekaar</i>
3,737,636	Narrow Band Digital Filter	<i>D. J. Esteban</i>
3,737,637	Data Generator	<i>R. F. Frankeny and J. K. Tuttle</i>

3,737,638	Series-parallel Multiplication Device Using Modified Two's Complement Arithmetic	<i>D. J. Esteban</i>
3,737,739	Single Crystal Regions in Dielectric Substrate	<i>A. E. Blakeslee, T. F. Gukelberger, Jr. and V. J. Lyons</i>
3,737,751	Servomechanism Stop Control	<i>P. J. Lima</i>
3,737,852	Pattern Recognition Systems Using Associative Memories	<i>T. E. Robinson</i>
3,737,855	Character Video Enhancement System	<i>A. Cutaia</i>
3,737,870	Status Switching Arrangement	<i>W. C. Carter, E. P. Hsieh and A. B. Wadia</i>
3,737,878	Holographic Read/Write Storage System	<i>R. L. Gamblin and C. D. Southard</i>
3,737,881	Implementation of the Least Recently Used (LRU) Algorithm Using Magnetic Bubble Domains	<i>V. A. Cordi and T. Y. Nickel</i>
3,737,893	Bipolar Conversion Analog-to-digital Converter	<i>J. J. Belet and J. L. Quanstrom</i>
3,738,835	Electrophoretic Photoresist Composition and a Method of Forming Etch Resistant Masks	<i>P. Bakos</i>
3,738,882	Method for Polishing Semiconductor Gallium Arsenide Planar Surfaces	<i>J. S. Basi</i>
3,739,356	Heterojunction Information Storage Unit	<i>W. D. Pricer</i>
3,739,469	Multilayer Printed Circuit Board and Method of Manufacture	<i>W. E. Dougherty, Jr.</i>
3,739,648	Roller Band Reciprocating Drive Mechanism	<i>M. W. Payst</i>
3,739,899	Carriage Indexing Mechanism	<i>P. A. Brumbaugh and R. H. Harrington</i>
3,740,590	Latch Circuit	<i>R. L. Hart and J. C. Leininger</i>
3,740,620	Storage System Having Heterojunction-Homojunction Devices	<i>B. Agusta and J. J. Chang</i>
3,740,646	Testing of Non-linear Circuits by Accumulated Result Comparison	<i>M. T. McMahon, Jr.</i>
3,740,678	Strip Transmission Line Structures	<i>Y. M. Hill</i>
3,740,720	Method Adapted for Continually Updating Information on a Magnetic Tape .	<i>C. B. Swaney</i>
3,740,723	Integral Hierarchical Binary Storage Element	<i>W. F. Beausoleil, I. T. Ho and W. D. Pricer</i>
3,740,726	Left Zero Circuit for Key Entry Device	<i>R. B. Battistoni, V. Ferreri, G. A. Gates and J. Lettieri</i>
3,740,730	Latchable Decoder Driver and Memory Array	<i>I. T. Ho and T.-S. Jen</i>
3,741,113	High Energy Print Hammer Unit with Fast Settle-out	<i>J. Mako and J. E. Wallace</i>
3,741,157	Electrophotographic Plate Cleaning Apparatus	<i>K. A. Krause</i>
3,741,292	Liquid Encapsulated Air Cooled Module	<i>N. K. G. Aakalu, R. C. Chu and R. E. Simons</i>
3,742,296	Capacitive-coupled Connectors for Gaseous Discharge Display Panels	<i>G. M. Krembs</i>
3,741,357	Position Controlling System	<i>G. Krysiuk and J. H. Meier</i>
3,742,452	Selective Polling of Terminals Via a Sequentially Coupled Broadband Cable .	<i>L. M. Audretsch, Jr., B. E. Bliss, J. T. Dervan III, M. Elsner, L. E. Griffith and R. A. Thorpe</i>
3,742,516	Electro-ionic Printing Apparatus	<i>L. R. Cavanaugh and R. E. McCurry</i>