

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

2,212,168	S. K. Widemann and H. H. Berger	Multilayered Vertical Transistor Having Reach-Through Isolating Contacts Etchant for Polyimides
2,541,624	P. Frasch, F. Schwerdt, and F. Brunner	
2,555,963	A. Blum, H. Schoelling, F. Irro, H. Schaal, S. Richter, and H. von der Heyden	Instruction Execution Modification Mechanism for Time Slice Controlled Data Processors
2,626,419	G. Paal	Method of Reducing the Defect Density in a Positive-Working Photoresist Layer Using a Salt of Imidazolinium
2,652,103	H. H. Berger and S. K. Wiedmann	Current Hogging Injection Logic with Self-Aligned Output Transistors
2,754,890	W. F. Beismann, H. H. Lampe, and W. H. Pohle	Arrangement for Program Interruption
2,926,738	A. Frosch and D. Wagner	Method for Interferometric Determination of the Form and the Signs of Uneven Surfaces or Slopes
2,936,801	K. J. Getzlaff, J. Hajdu, H. Painke, D. Bazlen, and D. Bock	Control Arrangement for Executing Instructions
2,963,692,808	G. Kraus and H. Hinkel	Ion Source Having Improved Cathode
2,963,788,508	A. Blum, H. R. Geng, B. Spaeth, and H. Schoelling	Clock Check Circuits Using Delayed Signals

United States

4,321,286	M. A. Scott and A. E. Brown	Process for Producing Transfer Ribbons
4,344,691	D. E. Grant and J. R. Walker	Zonal Concentrator for Accurate Erasure of Photoconductor Charge
4,347,006	I. D. Shakib	Paper Insert and Line Feed Mechanism
4,347,007	J. O. Schaefer	Typewriter Cartridge and Feed Mechanism Therefor
4,347,008	P. F. Jagodzinski, T. R. Field, and C. D. Patrick	Anti-Reversal Backcheck for Printer Ribbon Cartridge Takeup Spool
4,347,009	C. G. Brown	Operator Interchangeable Gear Driven Platen and Platen Drive Mechanism for Typewriters and Printers
4,347,479	R. Cullet	Test Methods and Structures for Semiconductor Integrated Circuits for Electrically Determining Certain Tolerances During the Photolithographic Steps
4,347,498	R. P. Lee and F. H. Closs	Method and Means for Demand Accessing and Broadcast Transmission Among Ports in a Distributed Star Network
4,347,583	R. A. Scranton	Neel Wall Segment Detection in Cross-Tie Memory Systems
4,347,585	D. E. Eardley	Reproduce Only Storage Matrix
4,347,735	K. S. Desai and G. E. Melvin	Process for Monitoring Solvent Content of Green Ceramic Sheet, and Apparatus Therefor
4,347,786	R. H. Sweat, Jr. and W. J. Thornhill	Impact Printer Hammer Flight Time and Velocity Sensing Means
4,348,123	C. E. Abbott and L. J. Rice	Tabulation Rack with Spring Pin Holding
4,348,124	L. J. Rice	Tabulation Rack with Spring Pin Holding
4,348,139	J. K. Hassan and J. A. Paivanas	Gas Film Wafer Transportation System
4,348,553	J. K. Baker and J. M. Baker	Parallel Pattern Verifier with Dynamic Time Warping
4,348,595	G. M. Lebesnerais	Circuit Including at Least Two MTL Semi-Conducting Devices Showing Different Rise Times and Logic Circuits Made-Up Therefrom
4,348,632	R. K. Galwey and K. K. Kanazawa	Servosystem Operating About Noise Component Error Signal
4,348,688	F. Ainscow	Multibeam Cathode Ray Tube Apparatus
4,348,712	G. R. Newcomb	Capacitor with Embossed Electrodes
4,348,736	A. Weinberger	Programmable Logic Array Adder
4,348,737	M. Cukier and D. Sellier	Multiple-Function Programmable Logic Arrays
4,348,739	R. L. Deaver, T. J. Freund, and P. J. Gerstle	Terminal Providing Communication System Information Output
4,348,759	H. D. Schnurmann	Automatic Testing of Complex Semiconductor Components with Test Equipment Having Less Channels than Those Required by the Component Under Test

4,349,583	L. H. Kulynych, L. T. Romankiw, and R. J. von Gutfeld	Laser Enhanced Maskless Method for Plating and Simultaneous Plating and Etching of Patterns
4,349,741	K. L. Bobart and G. A. Flurry	Ear Code with Alignment Mark
4,349,742	G. A. Flurry, M. L. Krieg, and D. W. Phillips	Bar Code with Alignment Mark
4,349,862	C. H. Bajorek, D. A. Chance, and C. W. Ho	Capacitive Chip Carrier and Multilayer Ceramic Capacitors
4,349,890	D. C. Chang	Time of Day Clock Control
4,350,045	C.-K. Chow, C.-N. Liu, and S. S. Wang	Apparatus and Method for Characterizing an Acoustic Field
4,350,116	J. Grandia, W. G. McChesney, H. A. E. Santini, and H. L. Turk	Holder for Liquid Phase Epitaxial Growth
4,350,309	M. E. Richard and D. J. Winarski	Tape Reel Hub Including a Cantilever Beam Section to Reduce Tape Tenting
4,350,449	G. P. Countryman and R. G. Findlay	Resistive Ribbon Printing Apparatus and Method
4,350,452	E. N. Dials and D. A. Kightlinger	Ribbon Loading System for a Typewriter or the Like Using a Sidemounted Ribbon Cartridge Having a Detachable Ribbon Guide
4,350,453	T. R. Field, P. F. Jagodzinski, J. F. King, and J. O. Schaefer	Cartridge for Correction Media or Tacky Tape with a Wrap Spring
4,350,454	W. J. Schoenlein	Ribbon Cartridge Including Hub Brake
4,350,455	D. J. Moore and R. A. Pascoe	High Speed Basic and Condensed Tab Racks
4,350,578	R. G. Frieser, W. H. Ma, G. M. Ozols, and B. N. Zingerman	Cathode for Etching
4,350,991	W. S. Johnson and R. W. Knepper	Narrow Channel Length MOS Field Effect Transistor with Field Protection Region for Reduced Source-to-Substrate Capacitance
4,351,618	M. Prewarski	Selection Controlled Print Impression Control for Single Element Impact Printers
4,351,706	T. I. Chappell, G. D. Pettit, and J. M. Woodall	Electrochemically Eroding Semiconductor Device
4,351,712	J. J. Cuomo and J. M. E. Harper	Low Energy Ion Beam Oxidation Process
4,351,805	A. Reisman and M. Berkenblit	Single Gas Flow Elevated Pressure Reactor
4,351,983	W. G. Crouse and C. R. Knox	Speech Detector with Variable Threshold
4,352,066	R. D. Kendrick, R. A. Wind, and C. S. Yannoni	Method for Adjusting the Magic Angle in NMR Experiments
4,352,117	J. J. Cuomo, R. W. Dreyfus, and J. M. Woodall	Electron Source
4,352,134	T. A. Burns and L. H. Johnston	Magnetic Head Assembly with Corrosion Resistant Conductive Wire
4,352,184	D. A. Chance	Gas Laser and Method of Manufacturing
4,352,578	N. D. Dunning, F. D. Jervis, and K. W. Taylor	Paperboard Ribbon Cartridge
4,352,716	P. M. Schaible and G. C. Schwartz	Dry Etching of Copper Patterns
4,353,040	H. Krumm, H. Schettler, R. Stahl, and R. Zühlke	Multi-Layer Module with Constant Characteristic Impedance
4,353,076	A. Bohg	Apparatus for Controlling a Recorder
4,353,078	F. C. Lee, R. N. Mills, and F. E. Talke	Ink Jet Print Head Having Dynamic Impedance Adjustment
4,353,298	G. N. Baker, W. B. Greene, L. R. Siegl, D. C. Thomas, C. J. Weber, and L. T. Zimmerman	Partial Line Turnaround for Printers
4,353,653	L. T. Zimmerman	Font Selection and Compression for Printer Subsystem
4,353,657	J. O. Schaefer	Ribbon Feed Mechanism and Correction Tape Feed Mechanism for a Typewriter
4,353,658	J. A. Craft	Ribbon Feed Mode Shift Mechanism
4,353,778	J. P. Fineman and L. A. Kieny, Jr.	Method of Etching Polyimide
4,354,100	J. E. Rohen	Scannable Readout Device
4,354,143	I. D. Judd	Equipment to Correct Aberrations of a Cathode Ray Beam
4,354,194	J. C. Barteck	Wideband Ink Drop Generator
4,354,198	R. T. Hodgson, G. D. Pettit, T. O. Sedgwick, and J. M. Woodall	Zinc-Sulphide Capping Layer for Gallium-Arsenide Device
4,354,227	D. O. Hays, Jr., A. W. Maholick, and W. N. Mize	Fixed Resource Allocation Method and Apparatus for Multiprocessor Systems Having Complementarily Phased Cycles
4,354,228	V. S. Moore, W. R. Kraft, J. C. Rhodes, Jr., and W. L. Stahl, Jr.	Flexible Processor on a Single Semiconductor Substrate Using a Plurality of Arrays
4,354,229	J. B. Davis, C. S. Lanier, D. T. W. Sze, and L. Weiss	Loop Initialization Mechanism for a Peer-to-Peer Communication System
4,354,309	J. R. Gardiner, W. A. Pliskin, M. Revitz, and J. F. Shepard	Method of Manufacturing a Metal-Insulator-Semiconductor Device Utilizing a Graded Deposition of Polycrystalline Silicon
4,354,765	J. C. Buchanan and E. V. Rutkowski, Jr.	Hyphen Characterization Apparatus for a Typewriter
4,354,895	T. L. Ellis	Method for Making Laminated Multilayer Circuit Boards
4,355,306	J. L. Mitchell	Dynamic Stack Data Compression and Decompression System
4,355,339	F. K. King and D. J. Wanek	Transducer Carriage Assembly

4,355,355	J. R. Butwell, C. A. Scalzi, and R. J. Schmalz	Address Generating Mechanism for Multiple Virtual Spaces
4,355,371	D. B. Convis, D. Glickman, and W. S. Rosenbaum	Instantaneous Alpha Content Prescan Method for Automatic Spelling Error Correction
4,355,913	E. V. Rutkowski, Jr.	Content-Addressed Text Search Apparatus for Typewriters
4,355,914	J. S. Alexander	Acoustic Hood with Glare Shield
4,355,937	A. Mack, B. C. O'Neill, and F. L. Penzetta	Low Shock Transmissive Antechamber Seal Mechanisms for Vacuum Chamber Type Semi-conductor Wafer Electron Beam Writing Apparatus
4,356,006	H. Kienle, G. E. Schmid, W. Steiner, and G. Trippel	Process for Fabricating a Multi-Layer Magnetic Thin Film Disk
4,356,211	J. Riseman	Forming Air-Dielectric Isolation Regions in a Monocrystalline Silicon Substrate by Differential Oxidation of Polysilicon
4,356,413	W. Rosenbluth and T. A. Williams	MOSFET Convolved Logic
4,356,472	E. H.-C. Ku and G. D. Rohrer	Character Recognition System