

Recent IBM Patents

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

Germany

1,932,020	G. Herrmann	Printing Web Transport Device
2,354,793	G. Herrmann	Improved Transport Device for a Marginally Perforated Web

Switzerland

577,253	E. Port	Method of Transmitting Information and Multiplexing Device
577,255	H. Buerge	Method and Arrangement for Transmitting Messages of Variable Lengths
578,290	P. L. Gueret	Josephson Junction Logic Element

United Kingdom

1,420,701	A. H. Bennett	Optical Alignment Apparatus
1,425,235	M. C. Pinnell	Digital Data Processing Apparatus

United States

3,944,447	I. E. Magdo and S. Magdo	Method for Fabrication of Integrated Circuit Structure with Full Dielectric Isolation Utilizing Selective Oxidation
3,955,235	D. R. Meyer	Scavenging Apparatus for an Electrostatic Copier
3,955,663	M. E. Ecker	Incremental Advance Mechanism
3,955,813	E. G. Edwards	Copy Sheet Peeler Bar Having Fluid Jet Assist
3,957,264	P. S. Bach, J. A. Craft, G. B. Lammers and J. C. Rogers	Collator Bins
3,957,376	R. S. Charsky, G. E. Conn, A. L. Flamholz and H. J. Young	Measuring Method and System Using a Diffraction Pattern
3,957,552	K. Y. Ahn, M. Hatzakis and J. V. Powers	Method for Making Multilayer Devices Using Only a Single Critical Masking Step
3,958,081	W. F. Ehrtam, C. H. W. Meyer, R. L. Powers, P. N. Prentice, J. L. Smith and W. L. Tuchman	Block Cipher System for Data Security
3,958,110	S. J. Hong and D. L. Ostapko	Logic Array with Testing Circuitry
3,958,155	W. E. Bogholtz, L. J. Bosch, R. A. Downing, J. R. Kiseda, A. A. Lennon, Jr., A. A. Rifkin and E. W. Scott	Packaged Magnetic Domain Device Having Integral Bias and Switching Magnetic Field Means
3,958,185	J. C. Hartung	Low Noise Amplifier
3,958,191	G. D. Jones Jr.	Multi-Line, Multi-Mode Modulator Using Bandwidth Reduction for Digital FSK DPSK Modulation
3,958,220	J. W. Marshall	Enhanced Error Correction
3,958,222	B. U. Messina and A. Weinberger	Reconfigurable Decoding Scheme for Memory Address Signals That Uses an Associative Memory Table
3,958,224	W. W. Boyd, W. F. Rogers and J. W. Toups	System for Unattended Printing
3,958,227	C. W. Evans	Control Store System With Flexible Control Word Selection
3,958,228	D. J. Coombes and B. U. Messina	Fault Tolerant Least Recently Used Algorithm Logic
3,958,234	S. S.-K. Hoo	Interactive Stylus Sensor Apparatus for Gas Panel Display
3,958,249	F. J. DeMaine, R. E. Pelkie, N. C. Smith and R. E. Tomek	Ink Jet Drop Generator
3,958,255	C. Chiou, G. Galli, K. H. Loeffler and M. R. Lorenz	Ink Jet Nozzle and Structure
3,958,264	S. Magdo	Space-Charge-Limited Phototransistor
3,958,323	F. H. De La Moneda	Three Mask Self Aligned IGFET Fabrication Process
3,958,851	R. T. Evans	Shielded Connector
3,959,047	G. S. Alberts, P. A. Farrar and R. L. Hallen	Method for Constructing a ROM for Redundancy and Other Applications

3,959,579	A. H. Johnson	Apertured Semi-Conductor Device Mounted on a Substrate
3,959,604	H. M. Newsom and M. A. Patten	Digital Calling Signal Tone Generating Circuitry
3,959,626	A. W. Vinal	Distorted Two Frequency Coded Data Interpreting Method and Apparatus
3,959,637	H. J. Nussbaumer	Digital Filter
3,959,638	A. Blum, F. Irro and G. Sonntag	Highly Available Computer System
3,959,777	M. J. Kimmel	Data Processor for Pattern Recognition and the Like
3,959,797	D. F. Jensen	Ink Jet Printer Apparatus and Method of Printing
3,959,798	F. Hochberg and K. S. Pennington	Selective Wetting Using a Micromist of Particles
3,959,799	R. J. Gambino, F. Holtzberg, R. R. Ruf and B. Welber	Information Storage by Laser Beam Initiated Reactions
3,960,309	H. K. Hazel	Fine Wire Twisted Pair Routing and Connecting System
3,960,324	D. E. Titus and S. H. M. Tsao	Method for Generation of Multiple Uniform Fluid Filaments
3,960,561	F. W. Haining, J. M. Kolly and T. E. Lynch, Jr.	Method for Making Electrical Lead Frame Devices
3,960,605	S. Beck, K. Brack and P. Gansauge	Method of Implantation of Boron Ions Utilizing a Boron Oxide Ion Source
3,961,099	E. Gipstein, W. M. Moreau and O. U. Need III	Thermally Stable Positive Polycarbonate Electron Beam Resists
3,961,114	M. Berkenblit, R. O. Lussow and A. Reisman	Glass Composition
3,961,139	R. A. Bowman, G. K. Machol and R. H. Terlet	Time Division Multiplexed Loop Communication System with Dynamic Allocation of Channels
3,961,190	G. V. Lukianoff and T. R. Touw	Voltage Contrast Detector for a Scanning Electron Beam Instrument
3,961,250	T. J. Snethen	Logic Network Test System with Simulator Oriented Fault Test Generator
3,961,251	W. J. Hurley and H. P. Muhlfeld	Testing Embedded Arrays
3,961,252	E. B. Eichelberger	Testing Embedded Arrays
3,961,254	J. R. Cavaliere and R. Robortaccio	Testing Embedded Arrays
3,961,312	R. E. Bodner, T. L. Crooks, J. E. Guest, I. B. Magrisso and K. K. Slack	Cycle Interleaving During Burst Mode Operation
3,961,313	R. E. Bodner, T. L. Crooks, I. B. Magrisso, K. M. Slack and R. S. Smith	Computer Control Apparatus
3,961,353	J. A. Aboaf, R. W. Broadie, E. M. Hull and H. B. Pogge	High Power Semiconductor Device
3,961,355	S. A. Abbas, C. S. Chang, L. B. Freeman, Jr. and R. W. Knepper	Semiconductor Device Having Electrically Insulating Barriers for Surface Leakage Sensitive Devices and Method of Forming
3,961,369	G. W. Baumann, H. R. Fraser, Jr. and F. E. Hauke	Rotating Head Apparatus Having a Protruding Diameter Headwheel Which Supports a Protruding Flying Head
3,961,370	J. W. Wenner	Rapid Access Storage Device
3,961,372	G. W. Brock and F. W. Hahn, Jr.	Magnetic Tape Transport with Slotted Rotating Head
3,961,414	C. B. Humpherys	Semiconductor Structure Having Metallization Inlaid in Insulating Layers and Method for Making Same
3,961,786	G. M. Yanker	Self Clearing Roller Feed Assembly for Document Feed Apparatus
3,961,999	I. Antipov	Method for Forming Recessed Dielectric Isolation with a Minimized "Bird's Beak" Problem
3,962,052	S. A. Abbas, R. C. Dockerty and M. R. Poponiak	Process for Forming Apertures in Silicon Bodies
3,962,539	W. F. Ehram, C. H. W. Meyer, R. L. Powers, J. L. Smith and W. L. Tuchman	Product Block Cipher System for Data Security
3,962,597	K. Clark, A. D. Lemberger and M. R. Shapiro	Gas Discharge Display Panel Including Electrode Connections in Plurality of Non-Conductive Layers
3,962,700	T. N. Criscimagna and A. O. Piston	Alphanumeric Gas Display Panel with Modular Control
3,962,903	A. Firdaus	Method and System for Sensing an Identifying Means
3,963,528	W. Fedrowitz and R. G. Frieser	Oxidation of Chromium Surfaces
3,963,841	M. Anschel and S. A. Shear	Catalytic Surface Preparation for Electroless Plating
3,963,870	A. A. Couder and G. Lebizay	Time-Division Multiplex Switching System
3,963,985	P. Geldermans	Probe Device Having Probe Heads and Method of Adjusting Distances Between Probe Heads
3,963,986	R. M. Morton and A. L. Perlmann	Programmable Interface Contractor Structure
3,964,028	L. A. Belady and F. P. Palermo	System and Method for Evaluating Paging Behavior
3,964,054	E. J. Annuziata and N. T. Chrisensen	Hierarchy Response Priority Adjustment Mechanism
3,964,094	G. A. Hart	Servo Information Pattern for Rotating Head Magnetic Tape Unit Independent of Amplitude
3,964,104	C. C. Herron and C. R. Williams	Intermittent Cleaner for Rotating Magnetic Head

3,964,591	J. D. Hill, G. A. Isbell and T. H. Williams	Font Selection System
3,964,672	W. K. Aylsworth, W. L. Gudel and R. W. Luoma	Punching, Reading and Printing Machine for Document Cards
3,964,741	E. L. B. Kroeker	Translatable Stacker Apparatus
3,964,908	J. Bargon, E. Gipstein and H. Hiraoka	Positive Resists Containing Dimethylglutarimide Units
3,964,942	M. Berkenblit and A. Reisman	Chemical Polishing of Single Crystal Dielectrics
3,965,299	B. J. Lin	Dynamic Magnetic Bubble Display System
3,965,408	H. A. Higuchi and L. P. Trubell	Controlled Ferroresonant Transformer Regulated Power Supply
3,966,449	B. J. Foster and R. R. Tummala	Sealing Glass Composition and Process
3,966,514	B.-C. Feng and G. C.-C. Feng	Method for Forming Dielectric Isolation Combining Dielectric Deposition and Thermal Oxidation
3,967,002	G. S. Almasi, R. J. Hendel, G. E. Keefe, Y. S. Lin and R. P. McGouey	Method for Making High Density Magnetic Bubble Domain System
3,967,263	H. Chang and S.-Y. Lee	Text Editing System
3,967,368	G. W. Brock and F. B. Shelledy	Method for Manufacturing and Using an Internally Biased Magnetoresistive Magnetic Transducer
3,967,877	P. F. Heidrich and C. G. Powell	Coupler for Coupling Optical Energy Transmitted by Optical Fiber to Optical Waveguide and Method of Manufacture
3,968,193	P. R. Langston, Jr. and M. N. Turetzky	Firing Process for Forming a Multilayer Glass-Metal Module
3,968,481	P. J. Grundy and Y. S. Lin	Method of, and Apparatus for, Establishing Self-Biased Single Wall Domains
3,968,868	J. C. Greek, Jr., E. S. Petterson, H. C. Tanner and D. W. Terry	Format Control System for Positioning Final Copy Printed Test
3,968,885	J. K. Hassan, A. Mack and M. R. Wojtaszek	Method and Apparatus for Handling Workpieces
3,968,959	O. D. Johnson and F. F. Quist, Jr.	Document Transport and Separating Device
3,968,960	J. Fedor and J. V. Vetrone	Sheet Inverting and Stacking Apparatus
3,969,177	D. E. Doran and C. E. Samuelson	Laminating Method
3,969,613	A. W. Vinal	Two Frequency Coded Data Interpreting Method and Apparatus
3,969,651	J. C. Greeson, Jr.	Display System
3,969,670	L. L.-H. Wu	Electron Beam Testing of Integrated Circuits
3,969,700	E. W. Bollinger, A. M. Chaires, J. M. Ciconte, A. H. Ett, J. J. Hilliard and W. S. Rosenbaum	Regional Context Maximum Likelihood Error Correction for OCR, Keyboard, and the Like
3,969,707	R. D. Lane and R. A. Manning	Content-Addressable Memory Capable of a High Speed Search
3,969,708	G. Sonoda	Static Four Device Memory Cell
3,969,715	W. R. Lamoureux	Gas Panel with Improved Write Circuit and Operation
3,969,733	R. A. DeMoss and H. T. Hilton	Sub-Harmonic Phase Control for an Ink Jet Recording System
3,969,750	V. A. Dhaka and W. F. Krolkowski	Diffused Junction Capacitor and Process for Producing the Same
3,969,767	D. E. Griffiths, J. H. Koestner and D. G. Norton	Spacer Supports for Flexible Disk Structures
3,969,990	B. G. Gardineer and H. A. Panissidi	Self-Snubbing Miniature Piston Assembly
3,970,487	M. Dahmen, A. Ritzhaupt and M. Zurheide	Method of Manufacturing a Power Transistor
3,970,798	G. Epenoy and R. Vautier	Time Division Multiplex Data Transmission System
3,970,819	G. A. Gates and W. J. Ryan	Backside Laser Dicing System
3,970,875	G. W. Leehan	LSI Chip Compensator for Process Parameter Variations
3,970,950	L. B. Freeman, Jr., R. J. Incerto and J. A. Petrosky, Jr.	High Common Mode Rejection Differential Amplifier Utilizing Enhancement Depletion Field Effect Transistors
3,970,951	C. R. Hoffman	Differential Amplifier with Constant Gain
3,970,992	W. A. Boothroyd and B. W. Sorensen	Transaction Terminal with Unlimited Range of Functions
3,970,994	C. J. Jenny	Communication Switching System
3,971,013	F. L. Challoner and H. D. Varadarajan	Touch Keyboard
3,971,003	G. J. Fan	Method and Apparatus for Applying Magnetic Liquid Droplets to a Recording Surface
3,971,044	G. I. Findley and T. L. Anderson	Electronic Horizontal Shifting and Variable Print Width in a Buffered Printer
3,971,683	M. Briska, W. Hoffmeister and H. Kuhlmei	Method of Etching Materials Containing Silicon
3,971,860	A. N. Broers and T. O. Sedgwick	Method for Making Device for High Resolution Electron Beam Fabrication

3,971,887	B. J. Lin and Y. S. Lin	Dynamic Magnetic Bubble Display System
3,971,987	F. P. Carrubba, P. A. Franaszek and D. D. Grossman	Gain Method and Apparatus for a Delta Modulator
3,972,023	R. E. Bodner, M. N. Ciaciosi, T. L. Crooks, I. B. Magrisso, K. K. Slack and R. S. Smith	I/O Data Transfer Control System
3,972,035	F. Holtzberg, A. F. Mayadas, W. A. Thompson and S. von Molnar	Detection of Magnetic Domains by Tunnel Junctions
3,972,059	T. H. DiStefano	Dielectric Diode, Fabrication Thereof, and Charge Store Memory Therewith
3,972,071	W. M. Arrington	Portable Recorder Control Apparatus