

Recent IBM Patents

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

France

7,102,568	J. Belloc, M. F. Choquet and J. M. Pierret	Device for Recovering a Frequency Showing Phase Jitter
7,222,690	M. A. Hudde	Circuit for Adjusting the Threshold of a Receiver

Germany

1,941,638	K. Ellinghaus, G. Knauff, C. V. Kragh and E. Vogt	Arrangement for Generating a Branch Address
2,010,283	G. Knauff, H. Louis and W. Lutze	Cyclic Address Repowering for Addressing Memory Cells

United Kingdom

1,372,380	D. R. Page and C. Paradine	Data Processing System
-----------	----------------------------	------------------------

United States

3,864,741	T. A. Schwarz	Servo Channel Equalization Network
3,864,751	T. J. Beaulieu and D. A. Nepela	Induced Bias Magnetoresistive Read Transducer
3,865,031	T. C. Ku and S. H. M. Tsao	Ink Spray Printer
3,865,365	W. W. Hardin, D. E. Peterson and D. D. Towne	Apparatus and Method for Unloading Mail Stackers
3,865,483	W. J. Wojcik	Alignment Illumination System
3,865,489	M. Klein	On-Line Detection and Measurement of Contaminating Gases During Filling of Gas Display Panels
3,865,648	P. P. Castrucci, E. G. Grochowski, W. D. North and T. L. Palfi	Method of Making a Common Emitter Transistor Integrated Circuit Structure
3,865,652	B. Agusta, J. J. Chang and M. L. Joshi	Method of Forming Self-Aligned Field Effect Transistor and Charge-Coupled Device
3,865,654	C. S. Chang and T. S. Jen	Complementary Field Effect Transistor Having P Doped Silicon Gates and Process for Making the Same
3,866,013	P. M. Ryan	Method and Apparatus for Controlling Movable Means Such as an Electron Beam
3,866,038	H. E. Korth	Apparatus for Measuring Surface Flatness
3,866,134	H. A. Higuchi and R. A. Voge	Power Amplifier with Self Biasing and Insensitivity to Temperature Variations
3,866,176	U. G. Baitinger, W. O. Haug and M. Illi	Address Selection Circuit for Storage Arrays
3,866,237	J. H. Meier	Digital Phase Control for Ink Jet Printer
3,866,533	R. L. Gilbert, J. G. Hamilton, T. Hasegawa and C. O. Ross	Electrical Print Impression Control
3,867,618	B. L. Oliver and W. R. Sitler	Dynamic Power Supply Test System
3,867,676	H. D. Chai and J. P. Pawletko	Variable Reluctance Linear Stepper Motor
3,867,693	G. J. Saxenmeyer, Sr.	LSI Chip Test Probe Contact Integrity Checking Circuit
3,867,723	R. J. Penfold, F. E. Talke and P. A. Thompson	Multiple Flexible Disk File
3,867,724	J. D. Bruer and R. E. Hunt	Head Drive Apparatus
3,867,725	D. M. Janssen and D. Stedman	Rotating Head Apparatus Including a Thrust Gas Bearing
3,868,008	P. A. Brumbaugh	Printing Station Apparatus for a Bank Passbook Type Document
3,868,045	S. A. Snell	Article Conveying
3,868,053	S. Arnold	Transport Device for Web Material
3,868,172	L. B. Ii and D. C. T. Shang	Multi-Layer Ferroelectric Apparatus
3,868,271	N. M. Poley and H. L. Whitaker	Method of Cleaning a Glass Substrate by Ionic Bombardment in a Wet Active Gas
3,868,281	T. N. Morgan	Luminescent Device and Method Therefor
3,868,482	J. D. Colas	Line Scanning System in an Exchange Center
3,868,515	B. S. Landman	Josephson Device Threshold Gates
3,868,560	H. S. Hoffman, Jr.	Capacitive Voltage Reducer
3,868,632	S. J. Hong and A. M. Patel	Plural Channel Error Correcting Apparatus and Methods
3,868,644	R. A. Healey and M. Shrimp	Stack Mechanism for a Data Processor
3,868,652	L. Cooper, L. B. Ii and D. C. T. Shang	Multi-Layer Ferroelectric Optical Memory System

3,868,723	J. S. Lechaton, L. P. Richard and D. C. Smith	Integrated Circuit Structure Accommodating Via Holes
3,869,100	G. B. Flippen, Jr.	Recording Tape Drive Apparatus
3,869,116	E. L. B. Kroeker	Decreasing Load Deflection Mechanism
3,869,322	J. J. Cuomo and H. J. Hovel	Automatic P-N Junction Formation During Growth of a Heterojunction
3,869,323	J. S. Basi	Method of Polishing Zinc Selenide
3,869,324	J. S. Basi and E. Mendel	Method of Polishing Cadmium Telluride
3,869,700	K. A. Cook and T. H. Porter, Jr.	Stored Value System
3,869,711	W. R. Bernard and W. S. Buslik	Magnetic Pattern Recording
3,869,714	R. C. Schneider and L. Viele, Jr.	Method and Apparatus for Controlling the Risettime of a Digital Magnetic Recording Waveform
3,870,528	K. E. Edds, D. L. Elbert and J. F. Stone	Infrared and Visible Dual Dye Jet Printer Ink
3,870,900	S. D. Malaviya	Phase Discriminator Having Unlimited Capture Range
3,871,014	W. J. King and D. L. Wilcox	Flip Chip Module With Non-Uniform Solder Wettable Areas on the Substrate
3,871,015	P. T. C. Lin and E. M. Winter	Flip Chip Module With Non-Uniform Connector Joints
3,871,067	E. H. Bogardus, P. P. Peressini and T. M. Reigh	Method of Manufacturing a Semiconductor Device
3,871,576	D. E. Bean, J. T. Engh, J. R. Hammer, J. J. Igel, M. D. Schetti, H. J. Tashjian, R. J. Ullmer and J. W. Kerr	Data Recorder and Verifier
3,872,430	P. E. Boudreau, W. D. Brodd and R. A. Donnan	Method and Apparatus of Error Detection for Variable Length Words Using a Polynomial Code
3,872,444	J. L. Cleveland, R. A. Jones, T. E. Larson, K. R. McNary and J. T. Zahorsky	Terminal Control Unit
3,872,452	E. H. Stoops	Floating Addressing System and Method
3,872,510	L. K. Childress, Jr. and J. A. Church	Magnetic Tape Cleaning and Tensioning Apparatus
3,872,998	W. F. Beausoleil and E. C. Uberbacher	Tape Cartridge Storage Device with Dynamic Ordering
3,873,313	R. S. Horst, L. H. Kaplan and D. P. Merritt	Process for Forming a Resist Mask
3,873,330	T. A. Sherk and R. R. Tummala	Bi_2O_3 and Al_2O_3 Containing $\text{PbO-ZnO-B}_2\text{O}_3$ Low Temperature Sealing Glass
3,873,355	C. A. Queener, W. G. Ralston, T. C. Smith and J. P. Welsh	Coated Carrier Particles
3,873,356	C. A. Queener, W. G. Ralston, T. C. Smith and J. P. Welsh	Method of Manufacturing Electrophotographic Carriers
3,873,361	J. R. Franco, J. Havas and H. A. Levine	Method of Depositing Thin Film Utilizing a Lift-Off Mask
3,873,372	W. S. Johnson	Method for Producing Improved Transistor Devices
3,873,818	J. D. Barnard	Electronic Tester for Testing Devices Having a High Circuit Density
3,873,820	J. W. Parr and K. Y. Sih	Apparatus for Checking Partial Products in Iterative Multiply Operations
3,874,525	J. K. Hassan, A. Mack and M. R. Wojtaszek	Method and Apparatus for Handling Workpieces
3,874,762	F. A. Shott, D. W. Skinnér and V. P. Subik	Electrical Cable Connecting Device
3,874,919	H. S. Lehman	Oxidation Resistant Mask Layer and Process for Producing Recessed Oxide Region in a Silicon Body
3,874,920	R. E. Chappelow, J. Doulin, Jr., P. T. Lin and H. G. Sarkary	Boron Silicide Method for Making Thermally Oxidized Boron Doped Poly-Crystalline Silicon Having Minimum Resistivity
3,874,936	G. d'Hervilly, W. A. Edel, J. Jacquemin and W. A. Westdorp	Method of Gettering Impurities in Semiconductor Devices
3,874,952	J. M. Woodall	Introducing Stress Centers and Devices Resulting Thereof
3,874,959	J. P. Hoekstra and F. H. Dill	Method of Doping During Epitaxy
3,875,415	O. C. Woodard	Method to Establish the Endpoint During the Delineation of Oxides on Semiconductor Surfaces and Apparatus Therefor
3,875,426	O. Baitinger and W. Haug	Method and Apparatus for Detecting a Registration Mark on a Target Such as a Semiconductor Wafer
3,875,432	J. Saia	Logically Controlled Inverter
3,875,457	B. Kazan and T. O. Sedgwick	Timed Switch Circuits Utilizing Minority Carrier Injection in a Semiconductor Device
3,875,480	L. F. Knappe	Field Responsive Photoluminescent Display Devices
3,876,287	G. J. Sprokel	Modular Punch Device
3,876,389	P. Chaudhari, J. F. Freedman and Z. Kovac	Birefringent Liquid Crystal Structure
		Composite Material, Inclusions Thereof, and Method Therefor

3,876,883	A. N. Broers and M. B. Heritage	Method and System for Focusing and Registration in Electron Beam Projection Microfabrication
3,876,978	D. C. Bossen, M. Y. Hsiao and A. M. Patel	Archival Data Protection
3,876,983	P. A. Zafropulo and F. X. Zihlmann	Synchronous Disconnection and Rearrangement
3,876,989	W. F. Bankowski, V. R. Kumar and J. D. Tartamella	CCD Optical Sensor Storage Device Having Continuous Light Exposure Compensation
3,876,992	W. D. Pricer	Bipolar Transistor Memory with Capacitive Storage
3,876,994	B. A. Calhoun, H. Chang, L. L. Rosier and J. C. Slonczewski	Planar Bias Field Control of Magnetic Bubble Domain Apparatus
3,877,027	P. T. Marino	Data Demodulation Employing Integration Techniques
3,877,036	K. H. Leoffler and H. H. Weichardt	Precise Jet Alignment for Ink Jet Printer
3,877,051	H. C. Calhoun, L. E. Freed and C. L. Kaufman	Multilayer Insulation Integrated Circuit Structure