

Recent IBM Patents

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

France

7,308,008 A. Croisier
7,317,606 G. J. Hadamard
7,345,377 H. Nussbaumer

Improvements in Adaptive Equalizers
Method for Testing Logic Chips and Logic Chips Adapted
Improvements in Digital Filters

Germany

2,104,427 F. Tsui
2,116,635 V. Diehl
2,137,976 U. Baitinger and K. Najmann
2,604,939 G. Trippel and W. D. Ruh

Method of and Arrangement for the Distribution of Timing
Method for Digital Decoding of Frequency-Coded Signals
Monolithic Storage Multi-Emitter Transistors with Different Widths
Method of Forming Viaducts in Semiconductor Material

Sweden

7,400,978 E. S. Prame

Display Apparatus

United States

4,057,939 J. S. Basi
4,058,887 D. Dewitt

4,059,183 P. K. Hoskins
4,059,184 R. C. Redding and J. L. Vaughan

4,059,323 R. Babuka and J. B. Harris
4,059,385 L. Gultiz, T. W. Kwap, W. I. Lisle,
D. F. O'Kane and M. R. Poponiak
4,059,480 W.-D. Ruh and G. Trippel
4,059,737 F. Gergaud

4,059,800 G. D. Jones, Jr.
4,059,811 C. R. Hoffman
4,059,814 O. G. Folberth
4,060,006 S. C. Abel and J. A. Carlson

4,060,230 W. E. Church and F. F. Quist, Jr.
4,060,232 D. K. Gibson
4,060,327 L. Jacobowitz, E. S. Mathisen and
L. D. Thorp
4,060,362 C. E. Wilson III
4,060,377 L. R. Hentz, G. F. Pavlovic,
A. J. Scarafino and J. J. Seksinsky
4,060,427 C. A. Barile, R. M. Brill,
J. L. Forneris and J. Regh
4,060,812 J. Mako and W. T. Pimbley
4,060,907 D. A. Van Hook
4,061,331 A. B. Habich
4,062,002 D. M. Hannon and H. L. Hu
4,062,038 J. J. Cuomo, T. H. DiStefano and
R. Rosenberg
4,062,040 S. A. Abbas and R. C. Dockerty
4,062,060 H. J. Nussbaumer
4,062,659 L. B. Feierabend and O. R. Luhrs
4,062,698 A. E. Blakeslee and H. J. Hovel

Silicon Wafer Polishing
Method for Forming a Transistor Comprising Layers of Silicon Dioxide
and Silicon Nitride
Dot Matrix Printer with Slanted Print Head and Modular Skewing of Dot
Pattern Information
Single Print Element Selection Apparatus with Multiple Selection
Inhibiting Means
Apparatus for Interconnecting Plural Mating Members
Combustion Monitoring and Control System

Method of Forming Viaducts in Semiconductor Material
Keyboard Switch Structure Having Matrix Arranged Elongated Undulated
Contacts
Digital Multi-Line Companded Delta Modulator
Integrated Circuit Amplifier
Controllable Semiconductor Element
Device for and Method of Affixing the Ends of a Substantially Plastic
Ladder Chain to Make a Continuous Ladder Chain Thereof
Embossing Gate Roller
Controlled Slip Paper Separator
Wide Band Grating Spectrometer

Injection Molding Same Cycle Control
Temperature Monitoring Furnace

Method of Forming an Integrated Circuit Region through the Combination
of Ion Implantation and Diffusion Steps
Nozzle for an Ink Jet Printer
Media Skew Compensator
Document Receiving Apparatus
Device for Biasing Bubble Domains
Radiation Responsive Device

Field Effect Transistor Structure and Method for Same
Digital Filter
Contouring Magnetic Head Surfaces
Photoelectrical Converter

4,062,720	G. E. Alcorn, J. D. Feeley and J. T. Lyman	Process for Forming a Ledge-Free Aluminum-Copper-Silicon Conductor Structure
4,062,737	D. J. Barclay and W. M. Morgan	Electrodeposition of Chromium
4,063,070	G. J.-M. Delarue and M. P. Verhaeghe	Wideband Frequency Multiplier Particularly Adapted for Use in Badge Readers and the Like
4,063,082	H. Nussbaumer	Device Generating a Digital Filter and a Discrete Convolution Function Therefor
4,063,172	L. H. Faure, H. T. Johnston, Jr. and D. R. Townsend	Multiple Site, Differential Displacement, Surface Contacting Assembly
4,063,223	E. S. Schlig and G. R. Stilwell, Jr.	Nondestructive Cursors in AC Plasma Displays
4,063,252	D. F. Jensen, J. C. Tamulis, T. Tomasky and J. L. Zable	Method and Apparatus for Controlling the Velocity of Ink Drops in an Ink Jet Printer
4,063,254	S. J. Fox and V. C. Martin	Multiple Array Printer
4,063,255	D. J. Bahr and K. H. Burckardt	Electro Erosion Printing Head
4,063,308	C. A. Collins and V. F. Sollitto	Automatic Clock Tuning and Measuring System for LSI Computers
4,077,558	J. A. Carlson, B. C. Schwartz and G. Steving	Diffusion Bonding of Crystals
4,077,815	P. W. H. Schussler	Water Soluble Flux
4,078,098	C. A. Cortellino	High Energy Radiation Exposed Positive Resist Mask Process
4,078,102	D. J. Bendz and G. A. Bendz	Process for Stripping Resist Layers from Substrates
4,078,152	L. B. Tuckerman III	Block-Cipher Cryptographic System with Chaining
4,078,238	H. C. Lee	Magnetic Deflector for a Magnetic Ink Jet Printer
4,078,243	D. E. De Bar and F. H. De La Moneda	Phototransistor Array Having Uniform Current Response and Method of Manufacture
4,078,254	W. F. Beausoleil and B. E. Phelps	Hierarchical Memory with Dedicated High Speed Buffers
4,078,258	R. D. Lindsey and L. G. Smith	System for Arranging and Sharing Shift Register Memory
4,078,791	W. E. Church and F. F. Quist, Jr	Gate Mechanism for a Copier Machine
4,078,947	W. S. Johnson and R. W. Knepper	Method for Forming a Narrow Channel Length MOS Field Effect Transistor
4,079,169	M. T. Nigh, R. A. Ross and A. R. Tietze	Cobalt Base Alloy as Protective Layer for Magnetic Recording Media
4,079,290	J. B. Trushell	Gas Panel Voltage Regulator
4,079,368	T. H. DiStefano	Information Display Through Deformation of Liquid Dielectric Media
4,079,404	L. D. Comerford, J. D. Crow, R. A. Laff, E. G.-H. Lean and M. J. Brady	Self-Aligning Support Structure for Optical Components
4,079,408	T. W. Kwap and I. E. Magdo	Semiconductor Structure with Annular Collector/Subcollector Region
4,080,267	E. E. Castellani, P. M. McCaffrey, A. T. Pfeiffer and L. T. Romankiw	Method for Forming Thick Self-Supporting Masks
4,080,414	L. C. Anderson, R. W. Nufer and F. G. Pugliese	Ceramic Dielectrics
4,080,590	W. D. Pricer	Capacitor Storage Memory
4,080,720	J. Balyoz, A. J. Gruodis, T.-S. Jen and W. F. Mikhail	High Density Semiconductor Circuit Layout
4,080,721	R. Y. Hung	Fabrication of Semiconductor Device
4,081,201	J. K. Hassan and J. A. Paivanas	Wafer Air Film Transportation System
4,081,742	D. C. Hofer, V. N. Kahwaty and C. R. Valentino	Quantitative Analysis of Nuclear Magnetic Resonance Spectra Having Solvent Peaks
4,081,825	N. G. Koopman and P. A. Totta	Conduction-Cooled Circuit Package
4,081,844	E. W. Devore and J. A. McDowell	Interleaved Synch and Beginning of Data Indicators
4,081,901	L. F. Miller	Method of Making a Ternary Barrier Structure for Conductive Electrodes
4,082,263	J. G. Baumberger, M. A. Gazy and W. C. Miller	Document Feeding Apparatus
4,082,394	R. W. Gedney and R. R. Rodite	Metallized Ceramic and Printed Circuit Module
4,082,399	E. D. Barkhuff	Zero-Insertion Force Connector
4,082,552	E. M. Engler, F. B. Kaufman and B. A. Scott	Process of Optically Printing Highly Conductive Character Utilizing a Medium Containing a Halogenated Hydrocarbon Photoactivator and a Tetrathiafulvalene or a Related Compound Thereof
4,082,889	T. H. DiStefano	Luminescent Material, Luminescent Thin Film Therefrom, and Optical Display Device Therewith
4,082,945	A. J. van de Goor, H. Pijlman and B. E. van der Vleugel	Document Processing Device
4,083,029	S. K. Lahiri	Thin Film Resistors and Contacts for Circuitry
4,083,614	M. O. Aboelfotoh and K. C. Park	Method of Manufacturing a Gas Panel Assembly
4,084,116	N. K. Arter, C. H. Hammond, D. J. Pedersen and M. E. Prah	Procedure for Tightening Tape Wraps on a Spindle
4,084,152	G. B. Long, R. C. Mitchell and S. C. Pi	Time Shared Programmable Logic Array
4,084,164	R. C. Alt and F. J. Perry	Ink Collector in Ink Jet Printer