

Recent IBM Patents

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

Germany

- 1,467,085 Method of Epitaxially Growing Silicon Carbide by Pyrolytically
Decomposing SiH_4 and CH_4
- 2,046,387 Positioning Magnetic Transducers

*E. Ebert, W. Spielmann and
M. Immendorfer
G. R. Hasler*

Israel

- 0,028,608 Dual Motion Typewriter

D. Olami

United Kingdom

- 1,289,249 Digital Data Storage System
- 1,289,901 Positioning Apparatus

*P. L. Gardner
F. G. Grisley, A. H. Bennett and
E. H. Griffiths*

United States

- 3,707,944 Automatic Photoresist Apply and Dry Apparatus
- 3,708,050 Printer Control with Monodirectional and Bidirectional Printing
Compatibility
- 3,708,136 Magnetic Tape Unit Having a Pneumatic Reel Hub
- 3,708,688 Circuit for Eliminating Spurious Outputs Due to Interelectrode Capacitance
in Driver IGFET Circuits
- 3,708,699 High-speed Analog Switching with FET
- 3,708,742 High DC to Low DC Voltage Converter
- 3,708,748 Retrospective Pulse Modulation and Apparatus Therefor
- 3,708,766 Automatic Equalizer and Method of Operation Therefor
- 3,708,788 Associative Memory Cell Driver and Sense Amplifier Circuit
- 3,708,798 Ink Distribution for Non-impact Printing Recorder
- 3,709,125 Photographic Line Tracing Apparatus
- 3,709,378 Aligning and Orienting Apparatus
- 3,709,579 Optical System for Focusing Spaced Object Planes in a Common Image
Plane
- 3,709,586 Method of Making an Electro-optic Switch
- 3,709,746 Double Epitaxial Method of Fabricating a Pedestal Transistor
- 3,710,069 Method of and Apparatus for Selective Solder Reflow
- 3,710,079 Copy Machine with Predetermined Counter
- 3,710,207 Positional Dependency Monolithic Impedance
- 3,710,235 Method and Apparatus for Testing Batch Fabricated Magnetic Heads during
Manufacture Utilizing a Magnetic Field Generated by a Current Carrying
Conductor
- 3,710,321 Machine Recognition of Lexical Symbols
- 3,710,323 Pattern-size Normalizing for Recognition Apparatus
- 3,710,327 Synchronous Communications Adapter
- 3,710,348 Connect Modules
- 3,710,353 Thermal Capacitive-Ferroelectric Storage Device
- 3,710,357 Magnetic Disk Storage File in Sealed Enclosure
- 3,710,358 Data Storage System Having Skew Compensation
- 3,710,438 Method for Making Magnetic Thin Film Heads with Magnetic Anisotropy ..
- 3,710,479 Component Insertion Apparatus
- 3,710,702 Optical Exposure Head
- 3,711,081 Semiconductor Wafer Chuck
- 3,711,341 Method of Making Sintered Metal Ultrasonic Bonding Tips
- 3,711,359 Magnetic Card Stripe Printer
- 3,711,428 Electrical Resistor Paste Containing a Small Amount of Charcoal
- 3,711,691 Peripheral Device Analysis
- 3,711,723 Optical System for Optical Fiber Bundle Scanning Apparatus

*F. R. Grundon, F. H. Masterson,
R. J. Wagler and F. E. Wustrau*

*J. H. McCarthy, Jr.
J. R. Cope and P. F. Smith*

*Y. L. Yao
A. H. Frei and P. Vettiger
J. B. Gunn
E. G. Nassimbene
R. T. Sha and D. T. Tang
J. R. Dailey and J. C. Surgent
W. W. Hildenbrand, W. J. Levine,
S. A. Manning and K. F. Stroms
J. P. Wiley
Z. Segal*

*G. Makosch
J. Lipp
D. DeWitt
J. Papadopoulos, D. A. Prince and
R. F. Reilly
W. O. Cralle, Jr. and K. A. Lennon
M. Ghafghaichi and D. Tuman*

*S. M. Barrager and S. H. Smith
D. A. Rubenstein
D. R. Andrews and M. J. Kimmel
A. K. Books and J. W. Froemke
D. J. Craft
J. T. Jacobs, K. L. Keester and
B. D. Silverman
W. S. Buslik
A. M. Gindi
E. Max and D. Rogalla
E. T. Bernardo, J. G. Cherochak and
R. G. Spiel
R. K. Conant and W. H. Finke
R. P. Cachon
K. C. Joshi and F. F. M. Lee
R. E. Lawhead and W. E. Steele
T. W. Aycock and J. J. Wright
R. C. Breitenbach, G. H. Edstrom and
J. R. Keffeler
D. H. McMurtry*

3,711,804	Magnetically Restorable High Speed Print Hammer	J. D. Kroft, J. P. Pawletko, F. E. Peters and C. T. Young
3,711,844	Updatable Magnetic Records	J. W. Irwin
3,711,908	Method for Forming Small Diameter Tips on Sintered Material Cathodes ..	A. N. Broers,
3,712,266	Developer Conveying Apparatus	R. A. Stauffer
3,712,575	Cavity Mold with Selectively Positioned Resilient Wall Portions	R. A. Bement and A. B. Brown
3,712,975	Line Segment Intersection Test	J. B. Allen and H. E. Lippmann
3,713,096	Shift Register Interconnection of Data Processing System	W. T. Comfort and G. Radin
3,713,097	Test Bit Pattern Generator for Pattern Recognition Machines	J. D. Linnerooth and E. W. Rosen
3,713,108	Branch Control for a Digital Machine	G. H. Edstrom and J. W. Irwin
3,713,109	Diminished Matrix Method of I/O Control	L. M. Hornung
3,713,114	Data Regeneration Scheme for Stored Charge Storage Cell	R. H. Linton and G. Sonoda
3,713,121	Arm Vibration Damper	R. F. Fasano, M. R. Hatch and J. E. Riggins
3,713,122	Skewed High Density Magnetic Head and Method of Manufacturing Same ..	G. Taylor
3,713,524	Bi-directional Spacing Mechanism for a Printer Including a Proportional Spacing Printer	J. S. Forrest, J. R. Litkenhus and D. J. Steger
3,713,606	Magnetic Tape Unit Capstan and Reel Motor Control Apparatus	R. W. Van Pelt and A. J. Werner
3,713,820	Electrophotographic Charge Transport Layer	R. B. Champ, A. J. Cherry, M. Hill and M. D. Shattuck
3,713,908	Method of Fabricating Lateral Transistors and Complementary Transistors ..	B. Agusta and E. D. Lubart
3,714,465	Analog Decision Circuit	D. H. Skrenes
3,714,629	Double Error Correcting Method and System	S. J. Hong and A. M. Patel
3,714,635	Standard Adapter Method and Apparatus	J. A. Hamilton, D. R. Hughes and L. T. O'Connor, Jr.
3,714,637	Monolithic Memory Utilizing Defective Storage Cells	W. F. Beausoleil
3,715,474	Color Video Recording and Playback System	R. W. Calfee and E. Hopner
3,715,481	Magnetic Recording and Reproduction Apparatus for Single Picture Video with Audio	J. D. Harr
3,715,496	Digital Band-pass Filter for a Single Circuit Full Duplex Transmission System	G. D. Jones, Jr.
3,715,508	Switching Circuits Employing Orthogonal and Quasi-orthogonal Pseudo- random Code Sequences	H. L. Blasbalg
3,715,573	Failure Activity Determination Technique in Fault Simulation	R. E. Vogelsberg
3,715,722	Data Normalization System	R. E. Hall
3,715,729	Timing Control for a Multiprocessor System	B. R. Mercy
3,715,747	Capacitive Keyboard Electronics	C. C. Hanson, J. P. L. Ho and M. E. Houdek
3,715,762	Method and Apparatus for Generating Electrostatic Images Using Ionized Fluid Stream	P. J. Magill, R. E. McCurry and C. A. Speicher
3,715,785	Technique for Fabricating Integrated Incandescent Displays	A. V. Brown and F. Hochberg
3,715,978	Printer Hammer Mechanism	J. W. Raider
3,716,422	Method of Growing an Epitaxial Layer by Controlling Autodoping	D. W. Ing and H. B. Pogge
3,716,464	Method for Electrodepositing of Alloy Film of a Given Composition from a Given Solution	Z. Kovac and J. D. Olsen
3,716,661	Cathode Ray Tube Module	J. C. Greeson, Jr.
3,716,724	Shift Register Incorporating Complementary Field Effect Transistors	J. T. Parrish, D. P. Spampinato and L. M. Terman
3,716,777	Inverter Power Supply Employing Series Connected Multi-transistor Switches	G. W. Lynch and C. B. Zarowin
3,716,781	Magnetoresistive Sensing Device for Detection of Magnetic Fields Having a Shape Anisotropy Field and Uniaxial Anisotropy Field Which Are Perpendicular	G. S. Almasi, G. E. Keefe, Y. S. Lin and D. A. Thompson
3,716,807	Recursive Automatic Equalizer and Method of Operation Therefor	R. T. Sha and D. T. Tang
3,716,837	Interrupt Handling	J. M. Waddell
3,716,842	System and Method for the Continuous Movement of a Sheet Having Graphic Subject Matter Thereon Through a Window of a Display Screen ..	L. A. Belady, C. J. Evangelisti and R. I. Roth
3,716,844	Image Recording on Tetrahedrally Coordinated Amorphous Films	M. H. Brodsky
3,716,850	Synchronous Detector for Monopulse Key Sampling Electronic Keyboard ..	D. E. Fisher and P. Pleshko
3,717,172	Fluidic Information Storage Cell	J. R. Dailey, D. F. Jensen and H. C. Kuntzleman
3,717,483	Metallizing Composition	L. F. Miller
3,717,515	Process for Fabricating a Pedestal Transistor	K. G. Ashar and L. W. Maheux
3,717,563	Method of Adhering Gold to an Insulating Layer on a Semiconductor Substrate	M. Revitz and F. E. Turene
3,717,851	Processing of Compacted Data	J. Cocke, J. H. Mommens and J. Raviv
3,717,852	Electronically Rewritable Read-only Memory Using Via Connections	S. A. Abbas and P. G. Stern

3,718,757	Temperature Monitoring	<i>L. Gulitz, T. W. Kwap and D. F. O'Kane</i>
3,718,776	Multi-track Overlapped-gap Magnetic Head Assembly	<i>G. Bate, R. H. Echelmeier, L. H. Everett, W. D. Kehr, J. E. Schaps, G. Taylor and R. F. M. Thornley</i>
3,718,826	FET Address Decoder	<i>N. M. Donofrio and R. H. Linton</i>
3,718,910	Time Coherent Sampling System for Eliminating the Effects of Test System Jitter and Providing a Simplified Single Transient Threshold Test	<i>E. J. Scray, Jr. and D. L. Wilder</i>
3,718,912	Instruction Execution Unit	<i>L. J. Hasbrouck, B. C. Madden, R. P. Rew, E. H. Sussenguth and J. R. Wierzbicki</i>