

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.

France

273,081	G. Boudon, J. L. Peter, H. Bauge, P. Mollier, and Y. J. Yamour	Improved Duplicated Circuit Arrangement for Fast Transmission and Repairability
287,741	C. Galand	Process for Varying Speech Speed and Device for Implementing Said Process
287,743	D. Godard, E. Morlec, J. Belloc, and M. Quintin	Echo Canceller Architecture for Two Wire Full-Duplex High Speed Modems
313,707	J. Calvignac, J. L. Picard, M. Dauphin, and R. Lenoir	Data Integrity Securing Means

Germany

4,039,396.8	H. F. Lutz, J. Reinschmidt, and W. Mannsdoerfer	Housing for Accommodating at Least One Cassette Containing in Particular Paper Money
4,135,261.0	U. Rackow and U. Schwall	System for Text Translation
9,207,893.1	W. Fischer and W. Guber	Chipcard Reader
68,905,475.0	E. Klink, H. Kohler, and H. Pross	High Density Semiconductor Memory Module
3,784,496,208	D. Schmunkamp, H. S. Tandjung, K. D. Mueller, P. Rudolph, and S. Koerner	Clock Generator System
3,784,710,408	R. R. Stoehr	Distortion Responsive Test Probe
3,879,186,208	H. J. Trumpp, O. T. Koblinger, and R. E. Muhl	Method of Producing Integrated Semiconductor Structures Comprising Field-Effect Transistors with Channel Lengths
3,879,471,308	B. Hafner and U. C. Boettiger	Method for Forming a Photoresist Pattern and Apparatus Applicable with Said Method

The Netherlands

240,616	H. F. Wijnen and H. M. Pennings	Method to Test and Set Data in a Record on Disk in One Atomic Input/Output Operation
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United Kingdom

163,852	M. J. Mailings	Graphic Display Systems
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United States

5,181,964	B. S. Meyerson	Single Ended Ultra-High Vacuum Chemical Vapor Deposition (UHV/CVD) Reactor
5,182,797	B. C.-C. Liang, N. Y. Liang, M. J. Phelps, and D. C. Tannenbaum	Multi-Processor Graphics Display System for Displaying Hierarchical Data Structures
5,183,767	H. Baratte, J. P. de Souza, and D. K. Sadana	Method for Internal Gettering of Oxygen in III-V Compound Semiconductors

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5,183,970	W. J. Gallagher and T. K. Worthington	Oriented Superconductors for AC Power Transmission
5,184,183	J. P. Karidis, T. C. Reiley, and L. B. Schein	Apparatus for Printing Grey Scale Images
5,185,056	R. I. Fuentes and I. V. Babich	Method and Apparatus for Etching Semiconductor Wafers and Developing Resists
5,185,073	P. S. Bindra, J. J. Cuomo, T. P. Gall, A. P. Ingraham, S. K. Kang, J. Kim, P. Lauro, D. N. Light, V. R. Markovich, E. F. Miersch, J. A. Molla, D. O. Powell, J. J. Ritsko, G. J. Saxenmeyer, Jr., J. A. Varcoe, and G. F. Walker	Method of Fabricating Nendritic Materials
5,185,215	R. W. Adams, Jr., D. R. Clarke, S. H. Knickerbocker, L. L. Rapp, and B. Schwartz	Zirconia Toughening of Glass-Ceramic Materials
5,185,276	T.-C. Chen and J. D. Cressler	Method for Improving Low Temperature Current Gain of Bipolar Transistors
5,185,719	S. H. Dhong and W. Hwang	High Speed Dynamic, Random Access Memory with Extended Reset/Precharge Time
5,185,862	D. F. Casper, T. A. Gregg, J. R. Flanagan, M. J. Kalos, and B. O. Liencre	Apparatus for Constructing Data Frames for Transmission Over a Data Link
5,185,864	F. M. Bonevento, C. A. Heath, and E. N. Mandese	Interrupt Handling for a Computing System with Logical Devices and Interrupt Reset
5,186,632	R. R. Horton, I. C. Noyan, M. J. Palmer, and M. B. Ritter	Electronic Device Elastomeric Mounting and Interconnection Technology
5,186,656	F. A. Harwath, D. J. Brinkman, G. A. Landgraf, H. Shah, E. Stenstrom, D. L. Bruncker, and R. A. Johnson	Miniature Coaxial Electrical Connector
5,187,241	S. L. Buchwalter, E. R. Frank, T. R. O'Toole, R. R. Thomas, and A. Viehbeck	Isoimide Modifications of a Polyimide and Reaction Thereof with Nucleophiles
5,187,449	P. G. May	Coplanar Transmission Line Millimeter Radiation Source
5,187,653	W. M. Lorenz	Current Limiting Device
5,188,286	W. E. Pence IV	Thermoelectric Piezoelectric Temperature Control
5,188,465	W. M. Johnson and G. K. Parish	RMS Power Controller for Dot-Matrix Printers
5,188,704	W. T. Babie, K. L. Devries, B. C. Nguyen, and C.-H. J. Yang	Selective Silicon Nitride Plasma Etching
5,188,923	K. Y. Ahn, H. N. Lynt, Jr., and V. B. Jipson	Optical Storage Media with Discontinuous Thin Metallic Films
5,188,978	J. deSouza, J. H. Greiner, and D. K. Sadana	Controlled Silicon Doping of III-V Compounds by Thermal Oxidation of Silicon Capping Layer
5,189,261	L. C. Alexander, B. K. Appelt, D. K. Balkin, J. J. Hansen, J. Hromek, R. A. Kaschak, J. M. Lauffer, I. Memis, M. S. Patel, A. M. Seman, and R. A. Susko	Electrical and/or Thermal Interconnections and Methods for Obtaining Such
5,189,296	Y. H. Kwark	Optical Receiver Having a Low Capacitance Integrated Photodetector
5,189,306	J. B. Frei	Grey-Splice Algorithm for Electron Beam Lithography Post-Processor
5,189,314	C. J. Georgiou, T. A. Larsen, and E. Schenfeld	Variable Chip-Clocking Mechanism
5,189,363	M. F. Bregman, P. R. Hoffman, P. G. Ledermann, P. A. Moskowitz, R. A. Pollak, T. C. Reiley, and M. B. Ritter	Integrated Circuit Testing System Having a Cantilevered Contact Lead Probe Pattern Mounted on a Flexible Tape for Interconnecting an Integrated Circuit to a Tester
5,189,446	M. S. Barnes, J. C. Forster, and J. H. Keller	Plasma Wafer Processing Tool Having Closed Electron Cyclotron Resonance
5,189,506	J. E. Cronin and C. W. Kaanta	Triple Self-Aligned Metallurgy for Semiconductor Devices
5,189,539	H. Suzuki	Drive Line Wiring for Liquid Crystal Display
5,189,566	T. C. Christensen, W. M. Hanson, J. J. Mosser, and D. E. Vosberg	Method and Apparatus for Recovering Data
5,189,647	N. Suzuki and S. Uno	Information Processing System Having Power Saving Control of the Processor Clock
5,190,065	J. L. Kovac and J. T. LeVie	Self-Contained Washing Unit for Printed Circuit Boards
5,190,463	M. Datta, D. E. King, A. D. Knight, and C. J. Sambucetti	High Performance Metal Cone Contact
5,190,465	R. V. Davidge, J. R. Dewitt, P. J. Galinis, F. A. Kuchar, Jr., J. H. Neer, and T. H. Newsom	Cable Locking Covers
5,190,595	J. G. Ameen, J. Funari, J. D. Poole, and D. W. Sissenstein, Jr.	Ozone Safe Stripping Solution for Thermal Grease