

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.

Federal Republic of Germany

3,275,657,708 G. Makosch and F. Schedewie

Interferometric Measuring Method for Surfaces

United Kingdom

69,174 B. F. Dowden, D. J. Barclay, D. H. Kirkman, and A. C. Lowe

Method and Electrolytic Display for Selectively Displaying an Image

97,208 A. J. Betts and P. J. Elliott

Head Positioning System with Automatic Gain Control

112,415 H. Halliwell

A Method and Apparatus for Continuously Updating a Display

112,418 P. Beanlands and J. S. Beeteson

Improved Anti-Reflection Coating for Visual Display Screen

112,942 A. C. Gay, J. P. Richards, and J. E. Bresenham

Graphics Display System and Method

112,944 C. J. Holloway

Testing the Validity of Identification Codes

130,247 B. L. Holloway and R. J. Llewelyn

Programmable Timing Circuit for Cathode Ray Tube

United States

4,648,173 S. D. Malaviya

Fabrication of Stud-Defined Integrated Circuit Structure

4,648,179 A. Bhattacharyya and C. W. Ho

Process of Making Interconnection Structure for Semiconductor Device

4,648,709 K. A. Bushaw

Method and Apparatus for Producing Transparent Foil Copies

4,648,937 S. Ogura, J. Riseman, N. Rovedo, and R. N. Schulz

Method of Preventing Asymmetric Etching of Lines in Sub-Micrometer Range Sidewall Images Transfer

4,649,233 W. E. Bass, S. M. Matyas, and J. Oseas

Method for Establishing User Authentication with Composite Session Keys Among Cryptographically Communicating Nodes

4,649,373 P. M. Bland and W. H. Bolt

Powered Conservation System in Battery Powered Keyboard Device Including a Microprocessor

4,649,379 D. A. Canton, B. L. Holloway, N. B. Sargeant, and R. J. Llewelyn

Data Display Apparatus with Character Refresh Buffer and Row Buffers

4,649,382 D. H. Martin and R. A. Spanner

Electrochromic Display Employing Potentiostatic Erasure

4,649,417 A. C. Burgess, R. O. Lussow, and G. E. Melvin

Multiple Voltage Integrated Circuit Packaging Substrate

4,649,447 S. Huang and O. Voegeli

Combed MR Sensor

4,649,473 W. E. Hammer, W. H. Schwane, and F. J. Ziecina

Flexible Data Transmission for Message Based Protocols

4,649,479 H. Advani, L. K. Loucks, and N. L. Springen

Device Driver and Adapter Binding Technique

4,649,501 R. D. Bloom, J. E. Carrington, R. A. Ide, P. J. Traglia, and G. R. Westcott

Band Printer Control System Architecture

4,649,513 M. S. Martin, E. McCord, H. D. Puckett, Jr., and T. W. Scrutchin, Jr.

Apparatus and Method for Processing System Printing Data Records on a Page Printer

4,649,516 P. W. Chung, R. E. Matick, and T. Ling

Dynamic Row Buffer Circuit for DRAM

4,649,519	S. S. Sun and C. W. Laumann	Self Biasing Thermal Magneto-Optic Medium
4,649,625	N. C. Lu	Dynamic Memory Device Having a Single-Crystal Transistor on a Trench Capacitor Structure and a Fabrication Method Therefor
4,649,627	J. R. Abernathy, W. I. Kinney, J. B. Lasky, and S. R. Stiffler	Method of Fabricating Silicon-on-Insulator Transistors with a Shared Element
4,649,638	F. F. Fang and B. M. Grossman	Construction of Short-Length Electrode in Semiconductor Device
4,650,333	R. M. Crabb, S. M. DeFoster, N. E. Rittenhouse, M. A. West, and R. A. Ziegler	System for Measuring and Detecting Printed Circuit Wiring Defects
4,650,351	V. D. Engle, C. H. Hafer, F. M. Hughes, D. J. Steger, E. G. Stewart, R. L. Street, and J. A. Thompson	Thermal Printer
4,650,356	B. D. Purcell and E. E. Toutant	Ribbon Cartridge Motion Control with a Non-Concentric Drive
4,650,927	L. E. James	Processor-Assisted Communication System Using Tone-Generating Telephones
4,650,977	W. R. Couch	Automatic Self Service Machine System and Method
4,651,092	A. Brunsch, W. Steiner, and G. Trippel	Method of Determining Dispersion, Particle Density or Viscosity of Resin/Solvent Mixture Containing Magnetic Particles
4,651,146	J. S. Lucash and J. L. Mann	Display of Multiple Data Windows in a Multiple-Tasking System
4,651,183	R. C. Lange and R. E. Scheuerlein	High Density One Device Memory Cell Arrays
4,651,278	A. Herzog, J. W. Marlin, B. G. Platte, and F. J. Yeskel	Interface Process for an All Points Addressable Printer
4,651,302	R. D. Kimmel, R. W. Knepper, and R. Levi	Read Only Memory Including an Isolation Network Connected Between the Array of Memory Cells and the Output Sense Amplifier Whereby Reading Speed Is Enhanced
4,651,640	A. Bohg and K. Hartmann	Print Hammer Bank in Modular Design
4,652,345	D. G. McBride and R. G. Rickert, Jr.	Method of Depositing a Metal from an Electroless Plating Solution
4,652,499	J. K. Howard	Magnetic Recording Medium with a Chromium Alloy Underlayer and a Cobalt-Based Magnetic Layer
4,652,856	K. M. A. Mohiuddin and J. R. Rissanen	Multiplication-Free Multi-Alphabet Arithmetic Code
4,652,898	R. C. Lange and W.-Y. Wang	High Speed Merged Charge Memory
4,652,954	M. A. Church	Method for Making a Thin Film Magnetic Head
4,652,974	C. T. Ryan	Method and Structure for Effecting Engineering Changes in a Multiple Device Module Package
4,653,020	H. Cheselka, J. S. Lucash, and W. R. Vincent	Display of Multiple Data Windows in a Multi-Tasking System
4,653,100	C. J. Barnett, M. P. Dyche, V. G. Golding, and Y. H. Ng	Audio Response Terminal for Use with Data Processing Systems
4,653,922	W. Järisch and G. Makosch	Interferometric Thickness Analyzer and Measuring Method
4,654,115	F. D. Egitto, F. Emmi, W. E. Mlynko, and R. A. Susko	Process for Removing Contaminant
4,654,119	R. K. Cook and J. F. Shepard	Method for Making Submicron Mask Openings Using Sidewall and Lift-Off Techniques
4,654,120	J. J. Dougherty	Method of Making a Planar Trench Semiconductor Structure
4,654,126	W. J. Amelio, V. Markovich, C. J. Sambucetti, and D. J. Trevitt	Process for Determining the Plating Activity of an Electroless Plating Bath
4,654,223	C. J. Araps, S. M. Kandetzke, and M. A. Takacs	Method for Forming a Film of Dielectric Material on an Electric Component
4,654,276	R. H. Ahlert, J. K. Howard, and G. S. Lim	Magnetic Recording Medium with an Underlayer and a Cobalt-Based Magnetic Layer
4,654,656	R. L. Deaver and J. L. Milligan	Off-Line Notification and Communication Network
4,654,684	A. W. Vinal	Magnetically Sensitive Transistors Utilizing Lorentz Field Potential Modulation of Carrier Injection
4,654,706	W. H. Davidson and I. Miller	Automatic Front of Screen Adjustment, Testing System and Method
4,654,720	Y. Tozawa	Color Image Display System
4,654,721	G. Goertzel and G. R. Thompson	System for Reproducing Multi-Level Digital Images on a Bi-Level Printer of Fixed Dot Size
4,654,778	G. L. Chiesa, M. A. Krygowski, B. U. Messina, and T. A. Papanastasiou	Direct Parallel Path for Storage Accesses Unloading Common System Path
4,654,847	P. F. Dutton	Apparatus for Automatically Correcting Erroneous Data and for Storing the Corrected Data in a Common Pool Alternate Memory Array
4,654,852	A. M. Bentley, E. W. Fitch, J. W. Freeburger, and G. P. Goulet	On-Line Problem-Determination Procedure for Diagnosis of Faults in a Data-Processing System
4,654,861	D. Godard	Method and Device for Measuring Phase Jitter on a Transmission Channel