

Recent IBM Patents

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

France

7,225,775 A Time Division Multiplexer with Each Frame Consisting of a Fixed Length Bit Oriented Address Field and a Variable Length Character Oriented Data J. J. Cadiou, G. R. Guerinot, P. Callens and A. G. Tracol

Germany

1,694,504 Epitaxial Growth of SIC E. Ebert and W. Spielman

1,774,879 Method for Making a Magnetic Film-coated Carrier, in Particular for Storing Digital Information in Data Processing Systems, by Means of Electrophoretic Application of the Magnetic Layer F. C. Brunner, M. K. Eckert, P. U. Frasch and G. Wilke
2,140,858 Parity Bit Prediction Circuit for an Order Shifting Unit H. Chilinski, H. R. Geng and J. Hajdu

United States

3,782,506 Mechanical Motion Retarding Means J. C. Yarrington
3,782,674 Kinematic Extensible Truss Mechanism R. R. Smith
3,783,119 Method for Passivating Semiconductor Material and Field Effect Transistor Formed Thereby L. V. Gregor and L. I. Maissel
3,783,243 Pneumatic Reading System for Document Cards D. F. Jensen, R. E. Lagergren, R. C. Lentz, J. R. Reidenbach and R. R. Schaffer
3,783,254 Level Sensitive Logic System E. B. Eichelberger
3,783,295 Optical Scanning System D. H. Casler
3,783,413 N Path Filter Having Two Input and N Output Paths J. C. Froment and J. L. Monrolin
3,784,190 Sheet Removing Apparatus R. P. Crawford
3,784,854 Binary Adder Using Josephson Devices D. J. Herrell
3,784,907 Method of Propagation Delay Testing a Functional Logic System E. B. Eichelberger
3,784,976 Monolithic Array Error Detection System I. T. Ho
3,784,977 Self-testing Checking Circuit W. C. Carter and A. B. Wadia
3,785,640 Apparatus for Separating and Feeding Documents H. H. Delcano, W. M. Demchak and M. Jakubowski
3,785,846 Methods for Developing Electrostatic Images T. M. Hider, F. A. Hawn and G. E. Makie
3,785,886 Semiconductor Device Fabrication Utilizing <100> Oriented Substrate Material P. P. Castrucci, E. G. Grochowski, M. S. Hess, G. Maheras and W. D. North
3,786,358 Method and Apparatus for Detecting the Beginning of Data Block B. C. Fiorino
3,786,418 Multi-terminal Digital Signal Communication Apparatus H. H. Nick
3,786,419 Synchronizing Clock System for a Multiterminal Communication Apparatus H. H. Nick
3,786,427 Dynamic Address Translation Reversed G. E. Schmidt and J. F. Schnell
3,786,430 Data Processing System Including a Small Auxiliary Processor for Overcoming the Effects of Faulty Hardware J. Hajdu, G. Knauf, P. Skuin and E. Vogt
3,786,434 Full Capacity Small Size Microprogrammed Control Unit H. E. Frye and R. F. McMahon
3,786,439 Error Detection Systems E. G. McDonald and A. M. Patel
3,786,445 Integrated Magnetic Bubble and Semiconductor Device I. T. Ho and J. Riseman
3,786,454 Magnetic Disk Storage Apparatus R. W. Lissner and R. B. Mulvany
3,786,455 Magnetic Domain Decoder/Encoder Device H. R. Grubb and L. C. Liebschutz
3,786,479 Video Display System C. J. Brown, D. J. Chesarek, D. E. Fisk, J. T. Ma, H. F. Martin and Z. D. Reynolds
3,786,497 Matrix Keyboard Method and Apparatus R. H. Davis and J. E. Fox
3,786,517 Ink Jet Printer with Ink System Filter Means K. A. Krause
3,786,660 Wafer Interlocking Transport System H. A. Appenzeller, J. C. Miller and V. Shea
3,787,044 Document Controlled Picking and Feeding Apparatus C. E. Lorensen and J. A. Peterson

3,787,253	Emitter Diffusion Isolated Semiconductor Structure	<i>K. Ashar</i>
3,787,669	Test Pattern Generator	<i>E. I. Muehldorf</i>
3,787,717	Over Voltage Protection Circuit Lateral Bipolar Transistor with Gated Collector Junction	<i>W. Fischer, A. J. Mastai and E. Y. Roher</i>
3,787,727	Stepper Motor Control	<i>R. A. McSparran</i>
3,787,734	Voltage Regulator and Constant Current Source for a Current Switch Logic System	<i>J. A. Dorler and D. J. Swietek</i>
3,787,736	Field-effect Transistor Logic Circuit	<i>W. B. Chin</i>
3,787,834	Liquid Crystal Display System	<i>J. C. Elliott</i>
3,787,882	Servo Control of Ink Jet Pump	<i>G. L. Fillmore, H. E. Naylor III and D. L. West</i>
3,787,884	Ink Jet Printer	<i>F. M. Demer</i>
3,787,891	Signal Processor Instruction for Non-blocking Communication between Data Processing Units	<i>B. B. Moore, A. Padegs and R. M. Smith</i>
3,787,964	Method for Manufacturing a Magnetic Head	<i>P. Simon and R. E. Jones, Jr.</i>
3,788,442	Erase Ribbon Feed	<i>R. W. Lehnhardt, Jr. and J. O. Schaefer</i>
3,788,576	Magnetic Tape Cartridge and Storage Apparatus	<i>W. S. Buslik</i>
3,788,890	Method of Preparing Dislocation-free Crystals	<i>S. R. Mader and J. W. Matthews</i>
3,789,160	Dictation Apparatus with Disc Loading, Feeding, and Ejecting Feature	<i>J. D. Bruer, D. L. Buddington and W. F. Klein</i>
3,789,185	Electron Beam Deflection Control Apparatus	<i>E. C. Baldwin and W. R. Wrenner</i>
3,789,200	Circle or Arc Generator for Graphic Display	<i>L. S. Childress and R. J. Gundrum</i>
3,789,205	Method of Testing MOSFET Planar Boards	<i>R. L. James</i>
3,789,215	Photosensitive Document Detector with Automatic Compensation	<i>R. E. Penny</i>
3,789,243	Monolithic Memory Sense Amplifier/Bit Driver Having Active Bit/Sense Line Pull-up	<i>N. M. Donofrio and D. W. Kemerer</i>
3,789,247	Dynamically Ordered Bidirectional Shift Register Having Charge Coupled Devices	<i>W. F. Beausoleil, I. T. Ho and H. N. Yu</i>
3,789,278	Corona Charging Device	<i>R. E. Bingham, T. F. Cecil, G. Galli and G. E. Poquette</i>
3,789,286	Speed Control for Stepper Motors by Torque Transfer	<i>D. D. Towne and M. N. Zell</i>
3,789,289	Voltage Level Control for DC-to-DC Converter	<i>D. F. Bell, G. C. Johari and E. R. McNulty</i>
3,789,301	Method and Apparatus for Measuring the Parameters of a Transistor or Other Two-port Device at Microwave Frequencies	<i>S. D. Malaviya</i>
3,789,312	Threshold Independent Linear Amplifier	<i>L. G. Heller and N. G. Vogel, Jr.</i>
3,789,367	Memory Access Device	<i>E. F. Dumstorff, J. H. Iverson, P. C. Schloss and P. C.-Y. Wong</i>
3,789,380	Digital Recording at Twice Nyquist Bandwidth	<i>M. R. Cannon</i>
3,789,422	Ink Drop Coupling Capacitance Compensation	<i>J. W. Haskell and S. H. M. Tsao</i>
3,790,404	Continuous Vapor Processing Apparatus and Method	<i>R. R. Garnache, A. K. Ghatalia and R. A. Michaud</i>
3,790,407	Recording Media and Method of Making	<i>R. A. Merten and D. E. Pickart</i>
3,790,841	Gas Discharge Display Field for Multicolor Display	<i>F. Tsui and K. Tsui</i>
3,790,885	Serial Test Patterns for MOSFET Testing	<i>R. L. James</i>
3,790,954	Skew Controlled Readback Systems	<i>E. W. Devore and J. W. Irwin</i>
3,791,027	Soldering Method	<i>R. W. Angelo, A. L. Balan, D. J. Huettner, R. M. Poliak and J. F. Shipley</i>
3,791,028	Ultrasonic Bonding of Cubic Crystal-structure Metals	<i>L. Missel</i>
3,791,715	System for Coupling Light from a Fiber Optic Waveguide into a Thin Film Waveguide	<i>E. G. Lean and K. S. Pennington</i>
3,791,824	Conjugated Polymers in Electrophotography	<i>W. G. Bauer and U. T. Mueller-Westerhoff</i>
3,791,826	Electrophotographic Plate	<i>A. J. Cherry, R. R. Neiman, M. D. Shattuck and W. J. Weiche</i>
3,791,858	Method of Forming Multi-layer Circuit Panels	<i>A. J. McPherson and H. C. Scheer</i>
3,792,198	Partition System for Image Displays	<i>C. C. Hanson and L. T. Lemke</i>
3,792,243	Method for Encoding Positions of Mechanisms	<i>A. Appel and A. J. Stein</i>
3,792,268	Document Scanner Having Optical Diffusion Means	<i>B. K. Bjerke and M. M. Siverling</i>
3,792,356	Receiver Structure for Equalization of Partial-response Coded Data	<i>H. Kobayashi and D. T.-N. Tang</i>
3,792,449	Ferroelectric Ceramic Storage Display Tube	<i>B. Kazan</i>
3,792,451	Non-destructive Sensing of Very Small Magnetic Domains	<i>G. S. Almasi, G. E. Keefe and Y. S. Lin</i>
3,792,551	Integrated Cover and Latch for Computer Gate Housing or the Like	<i>F. J. Hallas</i>
3,793,090	Method for Stabilizing FET Devices Having Silicon Gates and Composite Nitride-oxide Gate Dielectrics	<i>C. A. Barile, R. C. Dockerty and A. Nagarajan</i>

3,793,705	Process for Brazing a Magnetic Ceramic Member to a Metal Member	<i>T. R. Cole III, W. D. Kehr and J. R. Wiitala</i>
3,794,417	High Speed Printing System with Heated Roll Fuser	<i>J. A. Machmer</i>
3,794,759	Multi-terminal Communication Apparatus Controller	<i>H. H. Nick</i>
3,794,816	Digital Filters with Impulse Response Modified by Data Circulations Occur- ring Between Successive Data Inputs	<i>D. J. Esteban</i>
3,794,831	Apparatus and Method for Monitoring the Operation of Tested Units	<i>R. F. Frankeny and S. D. Johnson</i>
3,794,903	Vernier Control for a Stepper Motor	<i>J. G. Barcomb and J. Mako</i>
3,794,906	Electrical Converter	<i>H. S. Hoffman, Jr. and K. H. Knickmeyer</i>
3,794,970	Storage Access Apparatus	<i>K. A. Pearson and G. M. Zook</i>
3,794,979	Microprogrammed Control Unit with Means for Reversing and Complement- ing Microinstructions	<i>R. F. McMahon</i>