

Recent IBM Patents

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

Germany

1,538,595 H. R. Warsewa
2,162,837 R. Hartwick, G. Kundel,
H. H. Lampe and P. Rudolph

Method and Device for the Numerical Control of Machines
Method and Arrangement for the Interrogation and
Representation of Digital Values to be Measured

United Kingdom

1,360,520 G. D. Cavin
1,363,173 I. C. George and N. W. Luland

Card Punch Apparatus
Data Storage Apparatus

United States

3,854,563 R. L. Cowardin, G. C. Matuck,
C. M. McCray, F. M. Powell,
W. W. Pratt, D. C. Thomas, Jr. and
W. D. Thorne
3,854,604 C. E. Peterson and D. W. Schaefer
3,854,605 D. S. Proper and W. J. Rueger
3,854,784 R. E. Hunt and W. M. Jenkins
3,855,422 J. J. Cadiou, G. R. Guerinot,
P. R. Callens and A. G. Tracal
3,855,457 L. L. Amundson, W. E. Beuch,
C. D. Green and W. J. Harris
3,855,539 A. Croisier
3,855,547 J. P. Kirk
3,855,609 I. E. Magdo and S. Magdo
3,855,616 R. C. Schneider
3,855,625 M. F. Garnier, T. M. Tang and
J. W. White
3,855,738 R. C. Guggenheim, Sr. and
F. V. Liucci
3,856,229 J. W. Byram
3,856,554 R. B. Jablonski and J. F. Martone
3,856,647 A. G. Blachman
3,856,993 F. H. Closs, H. R. Mueller and
D. Wild
3,857,629 M. J. Freiser
3,857,724 P. Bakos
3,857,923 R. A. Gardner and D. L. Wilcox
3,858,060 R. A. Kenyon
3,858,061 R. G. Carpenter and
M. T. McMahon
3,858,071 B. M. Griffing and
J. A. Glockler, Jr.
3,858,080 R. J. Wohl
3,858,145 M. Sulich and A. W. Vinal
3,858,188 G. E. Keefe
3,858,189 W. F. Beausoleil, G. E. Keefe and
E. L. Walker
3,858,231 I. E. Magdo and S. Magdo
3,858,284 M. J. Costa, J. C. Greenson, Jr. and
P. H. Haberland

Arcuate Printer
Article Storage and Retrieval
Article Conveying
Information Media Handling System
Time Division Multiplexer with Each Frame Consisting of
a Fixed Length Bit Oriented Address Field and a Variable
Length Character Oriented Data Field
Machine for Processing Merchandising Tickets in Both
Roll and Individual Form
Method and Apparatus for Noise Reduction in Discrete
Phase Modulated Signals
Optical Cavity for a Laser
Space Charge Limited Transistor Having Recessed
Dielectric Isolation
Phase Shift Reducing Digital Signal Recording Having No
DC Component
Magnetic Head Slider Assembly
Crystal Indexing Fixture
Web Winding Spool
Pressure-Sensitive Carbonless Transfer Sheet and Method
for Providing a Chemically Formed Image on an Untreated
Substrate
Multi-Layer Control or Stress in Thin Films
Time Division Multiplex Exchange
Fast Turn-off Nematic Liquid Optical Devices
Primer for Electroless Plating
Mullite Package for Integrated Circuit Devices
Integrated Driver Circuit
Multiple Size Gates on FET Chips
High Frequency, Low Inductance Generator
Target Assemblies Especially for Single Chamber
Deformographic Storage Display Tubes
Magnetic Circuit Device for a Contactless Switch or the
Like
Multiphase Magnetic Bubble Domain Decoder
Magneto Resistive Signal Multiplier for Sensing Magnetic
Bubble Domains
Dielectrically Isolated Schottky Barrier Structure and
Method of Forming the Same
Method of Spacing the Plates of a Gaseous Discharge
Device

3,858,553	H. J. Scheel	Apparatus for the Epitaxial Growth of Semiconducting Material by Liquid Phase Epitaxy from at Least Two Source Solutions
3,858,981	W. Jaerisch and G. Makosch	Method of Measuring Irregularities in the Evenness of Surfaces
3,859,130	C. C. Parker, R. W. Polleys and J. S. Vranka	Magnetic Alloy Particle Compositions and Method of Manufacture
3,859,176	D. C. T. Shang	Method for Making Thin Film Tungsten-Thorium Alloy
3,859,510	D. E. Fiehm and K. C. Reynolds	Data Separation Circuitry for Reading Information From a Moving Support
3,859,553	T. R. Touw	Hexagonal Display Array Having Close-packed Cells
3,859,572	S. D. Keidl and J. F. Nelson	Magnetic Coil Driver Circuit
3,859,590	J. R. Cielo, W. A. Moorman and S. K. Rao	Waveform Averaging RC Circuit
3,859,632	G. Etter	Digital Input Scanner Guidance System
3,859,633	A. P. Ho and Y. M. Ting	Minutiae Recognition System
3,859,637	S. Platt, J. N. Pomeranz and D. K. Tewarson	On-Chip Auxiliary Latch for Down-Powering Array Latch Decoders
3,859,654	T. J. Harrison, G. A. Hellwarth and R. C. Jaeger	Analog to Digital Converter for Electrical Signals
3,859,662	A. B. Habich and J. W. Ward, Jr.	Transducer Track Selection Apparatus
3,859,711	D. R. McKiddy	Method of Detecting Misregistration of Internal Layers of a Multilayer Printed Circuit Panel
3,860,248	R. E. Hunt and W. M. Jenkins	Record Member Apparatus
3,860,454	D. De Witt and W. S. Johnson	Field Effect Transistor Structure for Minimizing Parasitic Inversion and Process for Fabricating
3,860,907	J. W. Marshall	Data Resynchronization Employing a Plurality of Decoders
3,860,958	C. C. Hanson	Offset Read/Write Magnetic Recording System with Guard Band
3,860,965	O. Voegeli	Magnetoresistive Read Head Assembly Having Matched Elements for Common Mode Rejection
3,861,863	B. S. Kudsi	Fusing Apparatus
3,861,913	C. Chiou	Electrophotographic Charge Generation Layer
3,861,968	I. E. Magdo and S. Magdo	Method of Fabricating Integrated Circuit Device Structure with Complementary Elements Utilizing Selective Thermal Oxidation and Selective Epitaxial Deposition
3,862,420	W. K. Banks and R. J. Cappell	System to Prevent the Formation of Particulate Material in Corona Units
3,862,831	M. Berkenblit, R. O. Lussow and A. Reisman	Glass Fabrication Process
3,862,857	R. J. Gambino	Method for Making Amorphous Semiconductor Thin Films
3,862,858	M. E. Cowher and T. O. Sedgwick	Method of Making Field Effect Layers
3,863,024	E. S. Caragliano and H. H. Nick	Directional Coupled Data Transmission System
3,863,074	J. F. O'Hanlon and W. B. Pennebaker	Low Temperature Plasma Anodization Apparatus
3,863,078	H. H. Zappe	Josephson Device Parametrons
3,863,090	W. B. Pennebaker, Jr.	Low Voltage Gas Discharge Display Structures for Improved Addressing
3,863,135	L. W. Atwood, P. S. Balasubramanian and J. B. Gillett	Regulated Transformerless Power Supply
3,863,219	G. D. Rohrer	Data Preprocessing System for Character Recognition Systems
3,863,229	J. E. Gersbach	SCR (OR SCS) Memory Array with Internal and External Load Resistors
3,863,232	D. D. Johnson, C. L. Kaufman, F. H. Lohrey and G. J. Robbins	Associative Array
3,863,603	L. W. Buckley, R. A. Daniels, J. D. Froula, A. H. Knight, D. C. Stapleton and G. T. Williams	Magnetic Brush Roll Having Resilient Polymeric Surface
3,864,020	J. A. Armstrong and D. R. Grischowsky	Light Controlled Light Modulator
3,864,583	B. C. Fiorino	Detection of Digital Data Using Integration Techniques
3,864,584	D. J. Hutson	High Speed Programmable Driver Circuit
3,864,691	E. N. Schroeder	Method and Apparatus for Printing Code Patterns by Non-Impact Means
3,864,692	J. A. McDonnell, R. E. McGuire and R. Radlinsky	Time Dependent Deflection Control for Ink Jet Printer
3,864,739	H. C. Jackson	Tape Motion Control in an Incrementing Magnetic Tape Transport