

Patents Recently Issued to IBM Inventors

August and September 1966

These are the patents issued by the countries in which the inventions were made.

August 1966

Coating Apparatus Employing Rotating and Reciprocating Filament	R. M. Chapman and J. N. Ramsey	3,263,648
Fluid Display and Converter Device	W. F. Voit, Jr.	3,263,922
Space Craft Navigation System	R. A. Watson	3,263,944
Data Recording System	C. P. Barnard and D. H. Heiser.	3,264,453
Memory Signal Detector Utilizing Negative Resistance Diodes and an Open Transmission Line	W. D. Pricer	3,264,495
Decoupling Capacitor	R. A. Delaney, H. D. Kaiser and A. H. Mones	3,264,537
Optical Multiplexing	A. W. Lohmann	3,264,611
Memory Protection System	R. P. Case, H. G. Jones, R. M. Smith and J. A. deVeer	3,264,615
Range and Field Retrieval Associative Memory	A. B. Lindquist	3,264,616
Cylindrical Film Metal Cores	J. Riseman, Q. W. Simkins and B. L. Flur	3,264,619
Method for Intensifying Images to be Read by Optical Readers	D. J. Lasky	3,265,518
Cobalt-Nickel Alloy Plating Baths	E. E. Castellani and R. D. De Mars	3,265,596
Uranium and Lanthanide Activated Alkaline Earth Molybdate and Tungstate Phosphors	M. J. Vogel	3,265,628
Video Signal Generator	P. Essinger, E. C. Greanias and P. F. Meagher	3,265,812
Tunnel Diode Logic Circuit for Asynchronous Signal Operation	A. J. Gruodis.	3,265,903
Delay Line Controlled Pulse Generator	T. I. Kirkpatrick	3,265,975
Stimulated Emission of Radiation in Semiconductor Devices	G. Burns, F. H. Dill, Jr., W. P. Dumke, G. J. Lasher and M. I. Nathan	3,265,990
Synchronizing Apparatus	J. R. Kersey, H. R. Oeters, R. M. Tomasulo and F. M. Trapnell, Jr.	3,266,024
Electrophotographic Process	R. M. Schaffert	3,266,045
Method of Forming Contacts on Semiconductors	W. E. Harding, J. L. Langdon and R. P. Pecoraro	3,266,127
Piston Adder Apparatus.	H. A. Panissidi	3,266,377
Switching Arrangements for Fluid Amplifiers	W. F. Voit, Jr.	3,266,513
Document Handling Apparatus	D. W. Haney and R. H. Harrington	3,266,796
Diazo Development Process	C. M. Aebi and B. E. Forsyth	3,266,896
Surface Protection for Tunneling Semiconductor Devices	F. H. Dill, Jr.	3,266,953
Apparatus for Producing Magnetic Recording Materials	G. W. Greene, B. Leland, J. Ponsen, G. R. Schlupp, E. V. Scray, Jr., R. M. Wilkie and R. K. Wiltse.	3,267,017
Mark Scoring Apparatus	J. F. Bene	3,267,258
Superconductive Binary Full Adders	J. L. Sanborn.	3,267,268
Variable Resolution Curve Following Apparatus	E. C. Greanias, R. J. Norman and P. F. Meagher	3,267,285
Solid State Light Emissive Diodes Having Negative Resistance Characteristics	W. P. Dumke, R. S. Levitt and K. Weiser	3,267,294
Waveform Converter	D. H. Rumble	3,267,298
Apparatus and Method of Contact Conditioning	A. C. Breiner and E. G. Sartelle	3,267,302
Integrated Circuit Process and Structure	J. C. Marinace	3,267,338
Degenerate Semiconductor Member and Device with at Least Two Kinds of Active Impurity Atoms	S. S. Im	3,267,339
Particle Accelerator Utilizing Coherent Light	A. W. Lohmann	3,267,383
Character Recognition Employing Offset Registration Control Masks	P. H. Howard	3,267,430
Adaptive Computing System Capable of Being Trained to Recognize Patterns	H. J. Greenberg and A. G. Konheim	3,267,431
Multi-Level Test Channel for Specimen Identification	R. E. Bonner	3,267,432
Computing System with Special Purpose Index Registers	A. D. Falkoff.	3,267,433
Pattern Recognition and Prediction System	R. E. Bonner	3,267,439
Magnetic Core Gating Circuits	D. F. Busch	3,267,441
Memory Matrix	H. R. Jensen, Jr.	3,267,442
Magnetic Memory Element	J. M. Brownlow	3,267,443
Magnetic Memory	L. R. Bickford, Jr. and R. F. Elfant	3,267,447
Line Justifying and Proportional Spacing Apparatus for Display Devices	F. W. Schaaf	3,267,454
Data Transmission System.	J. S. Chomicki and D. L. Critchlow	3,267,459
Rotary Serial Marking of Documents	O. D. Johnson and K. B. Maynard	3,267,844
High Gain Dry Photographic System	C. E. Allman and A. H. Sporer	3,268,333

Methods for Manufacturing Transfer Materials	L. G. Taft	3,268,639
Printed Circuit Board with Solder Resistant Coating in the Through-Hole Connectors	R. D. McNutt	3,268,653
Mechanically Operable Magnetic Reed Switch	R. J. Keller and J. M. McKeon	3,268,684
High Capacitance Microelectronic Decoupling Device with Low Shunt Resistance at High Frequencies	H. D. Kaiser and D. D. Metzger	3,268,744
Adaptive Communications System Incorporating Receiver Selection of Communications Channel	J. R. Featherston	3,268,816
Character Recognition System Employing Recognition Circuit Deactivation	G. M. Berkin	3,268,865
Translation Operation.	W. S. Schaffer	3,268,875
Optical Apparatus for Indicating and Measuring the Roll Angu- lar Orientation of a Movable Body	L. Cooper and R. W. Kern.	3,269,254
Means of Address Distribution	R. M. Meade and K. W. Borror	3,270,324
Parallel Memory, Multiple Processing, Variable Word Length Computer	R. S. Carter and W. W. Welz.	3,270,325
Time Domain Equalizer	E. Gorog	Fr. 1,453,270
Thin Magnetic Film Cell for Data Store	A. Crosier and C. M. Melas	Fr. 1,453,271
Setup Mechanism for Printing Units	R. Eckerle	Germ. 1,214,916
Fluid Mechanical Switching Matrix	H. R. Müller	Switz. 0,418,697
Fluid Mechanical Binary Element	H. R. Müller	Switz. 0,419,677

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Inertial Sensor	E. Cenitch, J. E. Lundberg and R. A. Watson	3,270,566
Apparatus for Monitoring Relative Contrast	H. L. Gelernter, L. A. Kamensky and R. J. Potter	3,270,611
Mechanical Calculating Apparatus	J. E. Hickerson	3,270,958
High Speed Card Feed	G. H. May	3,271,024
Thermo-Developable Diazo Coatings Employing Dicyandiamide Compositions	C. M. Aebl.	3,271,155
Photolytic Processes for Fabricating Thin Film Patterns	P. White	3,271,180
Capacitors and Process for Making Same	R. E. Thun and F. S. Maddocks	3,271,192
Electrolytic Semiconductor Photocell	N. N. Winogradoff and H. K. Kessler	3,271,198
Electronic Handwriting Detection and Display Apparatus	T. P. Harper	3,271,515
Evaporant Source	G. C. Roberts, Jr. and G. G. Via	3,271,562
Superconductive Devices	J. W. Crowe	3,271,585
Strobed Sense Amplifier	D. W. Baxter, B. C. Felton, A. Werner and J. R. Winnard	3,271,589
Uniaxial Crystal Signal Device	J. C. Marinace	3,271,631
Thin Film Superconducting Transformer	T-H. Cheng	3,271,658
A Magnetic Device Composed of Semiconducting Ferromagnetic Material.	S. J. Methfessel and F. Holtzberg	3,271,709
Operator Assisted Character Reading System	L. A. Kamensky	3,271,738
Multi-Level Test System for Specimen Identification	R. E. Bonner	3,271,739
Demodulation System.	D. H. Rumble and H. R. Ulander.	3,271,742
Analytic Bounds Detector	J. L. Craft and W. B. Strohm.	3,271,743
Handling of Multiple Matches and Fencing in Memories	H. E. Petersen and M. Teig	3,271,744
Register Search and Detection System.	R. F. Schauer	3,271,745
Negative Resistance Memory Matrix	J. A. Narud and P. E. Stuckert	3,271,746
Magnetic Element and Memory	R. F. Elfant and N. J. Mazzeo	3,271,748
Magnetic Storage and Switching System	N. G. Vogl, Jr. and J. A. Parisi	3,271,749
Binary Data Detecting System	M. Padalino	3,271,750
Curvature and Shape Detection	K-C. Hu	3,271,761
Data Compression Processing System	S. R. Pulford	3,271,765
Traffic Intersection	D. C. Gazis and R. B. Potts	3,272,097
Pneumatic Carrier Selector Valve, Decelerator and Hold Mecha- nism	H. G. Hoehmann	3,272,456
Capacitive Guiding Apparatus for Record Elements.	R. A. Sanderson	3,272,505
Method of Simultaneously Fabricating a Plurality of Semiconductor P-N Junction Devices	S. S. Im	3,272,669
Process for Electroplating Magnetic Alloy Onto a Platinized Chromium Substrate	A. F. Schmeckenbecher	3,272,727
Digital Pulse Generator with Compensation for Document Velocity Variations	A. Cutaia	3,272,969
Apparatus for Translating a Waveform	D. C. Alexander and R. H. Dennard	3,272,995
Majority Carrier Channel Device Using Heterojunctions.	P. Balk and M. H. Pilkuhn	3,273,030
Error Correction System by Retransmission of Erroneous Data	D. R. Dustin, R. V. McFadden, C. P. Rauf and G. G. Unger	3,273,120
Rotation and Size Invariant Shape Recognition Apparatus.	E. C. Greanias	3,273,124
Computer Data Storage and Handling System Having Means for Linking Discontinuous Data	A. P. Mullery and R. F. Schauer	3,273,129

Applied Sequence Identification Device	H. B. Baskin and R. E. Bonner	3,273,130
Queue Reducing Memory	W. G. Strohm and E. F. Yhap	3,273,131
Apparatus for Winding and Assembling Magnetic Cores	H. P. Luhn	3,273,135
Scanning Device Having a Constant Length Optical Path	W. E. Goetz and F. L. Hajny	3,273,446
Ferrite Process	A. Getto	3,274,110
Data Transfer and Conversion Circuit	J. K. Crawford and C. M. Pietras	3,274,378
Resonator for Radiation Generated by Stimulated Emission	A. Okaya	3,274,512
Pattern Recognition by Contour Sequences	W. S. Rohland	3,274,551
Large Scale Shifter	G. T. Paul, J. F. Dirac and G. M. Amdahl	3,274,556
Apparatus for Transferring Data	P. H. Giroux and R. J. Urquhart	3,274,559
Message Handling System	G. D. Granito, L. D. Smith, D. R. Spencer and T. S. Stafford	3,274,560
Sorter System	T. C. Cox	3,274,563
Magnetic Core Matrix Switch	W. A. Christopherson	3,274,568
Decoding Device	L. R. Harper	3,274,569
Backhitching Tape Control	E. W. Miller and J. W. Irwin	3,274,574
Binary to Ternary Code Conversion Recording System	D. T. Brown and F. F. Sellers, Jr.	3,274,611
Mechanical Chip Posting Mechanism	A. H. Higginson and C. C. Roshon	3,274,665
Film Record Cards and Method for Making Same	E. P. Kollar and L. G. Taft	3,274,722
Web Perforating Mechanism with Resilient Sleeve Supported Back-Up Roll	W. C. Treiber and R. A. McGill	3,274,874
Optical Angular Orientation Measuring System	R. W. Kern	3,274,883
Tuning Fork Oscillator	J. H. Meier	3,275,015
Latch Operated Clutch with Dual Pawls	T. A. Lasky	3,275,110
Method of Updating a Record Member	A. H. Battison and H. C. Scheer	3,275,439
Magnetic Cross-Field Devices and Circuits	O. M. Baycura	3,275,842
Transistor Switch	J. Jursik	3,275,852
Data Handling System	J. J. Hagopian	3,275,995
Oscillator Driving a Resonant Circuit with a Square Wave and Having Negative Feedback	R. Ordower	3,276,032
Method and Arrangements for the Excitation Controlled Smoothing of the Channel Voltages in Vocoder Systems	E. Paulus and E. Rothauser	.Aust. 0,251,656
Punched Card Sensing Device	M. Krautwald	.Germ. 1,214,919
Method and Arrangement for Controlling the Dynamic Range of Vocoder Systems	E. Rothauser	.Germ. 1,216,373
Device for Rinsing and Cleaning Test Tubes	H. Zschage	.Germ. 1,946,183
Thin Magnetic Film Cell with Anisotropic Magnetic Properties	S. Middelhoeck	.Switz. 0,420,271
Broadband Amplifier	D. Seitzer	.Switz. 0,420,275
Method and Device for Performing Logical Connections	H. Baumgartner	.Switz. 0,421,577