

Recently Issued Patents Assigned to IBM

February 1966

Optical System for Detecting and Measuring Angular Movements	R. W. Kern, F. P. Longwell and R. A. Watson . . .	3,232,164
Magnetic Core Transistor Logic Circuit	D. Eldridge, J. K. Ayling and A. Proudman . . .	3,233,114
High Speed Logical Circuits Employing a Negative Resistance Device	E. J. Rymaszewski	3,233,117
Frequency Shift Signal Demodulator	R. W. Calfee	3,233,181
Probabilistic Logic Character Recognition	A. J. Atrubin and R. C. Lamy	3,233,219
Cryotron Permutation Matrix	M. K. Haynes and S. A. Schmitt	3,233,222
Matrix Encoder Circuit Employing Plural Trigger Means Each Comprising a Current Switch and Implication Circuit. . . .	F. K. Buelow, F. B. Hartman and E. L. Willette . .	3,233,223
Switching Transistors with Controlled Emitter-Base Breakdown	F. H. Dill	3,233,305
Multi-Color One-Plate Printing Method.	O. D. Johnson	3,233,541
Semiconductor Heterojunction Device.	R. L. Anderson	3,234,057
Method of Forming an Integral Masking Fixture by Epitaxial Growth	J. C. Marinace	3,234,058
Method for Producing Square Loop Nickel Ferrous Ferrite . .	J. Ahn and P. Geldermans	3,234,136
Divider Utilizing Multiples of a Divisor	C. M. Davis and J. A. de Veer	3,234,366
Quotient Guess Divider	G. H. Ottaway, L. J. Boland, G. A. Blaauw and R. Keslin	3,234,367
Square Root Device Employing Converging Approximations. .	R. I. Roth and H. Fleisher	3,234,369
Fully Checkable Adder	F. F. Sellers, Jr. and Mu-Yue Hsiao	3,234,373
Method for Information Handling by the Exposure of Stretched Rubber to a Thermal Pattern	P. M. DeGroat and G. O. Jameson	3,234,381
Photosensitive Pattern Recognition Systems	W. E. Dickinson	3,234,392
Tunnel Diode Binary Counters.	H. S. Yourke, O. R. LaMaire and W. G. Strohm . .	3,234,398
Semiconductor Device Fabrication	J. C. Marinace	3,234,440
Method for Fabricating Thin Film Circuit Elements and Resulting Elements	L. I. Maissel and N. W. Silcox	3,234,442
Logical Systems Utilizing Phase Locked Subharmonic Oscillators	R. H. Dennard, H. Y. Juliusburger, N. Nakagawa and G. E. Simaitis	3,234,470
Inference Unit	R. M. Armstrong and R. M. Meade	3,234,522
Push-Down Memory	R. I. Roth	3,234,524
Display Device.	R. J. Brown and S. A. Manning	3,234,542
Optical Scanner	R. C. Treseder and P. Betts	3,235,660
Non-Saturating Direct Coupled Transistor Logic Circuit. . .	F. K. Buelow and J. R. Turnbull, Jr.	3,235,754
Serially Connected Inhibitor Logic Stages with Means for Bypassing a Selected Stage.	J. P. Roth, J. H. Griesmer, R. E. Miller, J. L. Selfridge and E. G. Wagner	3,235,842
Associative Memory System	A. D. Falkoff	3,235,845
High Speed Matrix Printer.	C. J. Fitch and F. Saltz	3,236,351
Word Code Generator	G. L. Clapper	3,236,947
Comparator	L. A. Finzi and A. Lavi	3,237,001
Electronic Clamping Circuit	F. C. Fitzgerald	3,237,019
Pulse Driver Circuits	A. S. Myers, Jr.	3,237,022
Comparator Circuit.	G. L. Clapper	3,237,025
Method of Matching Reed Switch Operating Times.	J. H. Zechman	3,237,096
Inverter Power Supply	O. M. Baycura and D. A. Rosendahl	3,237,126
Apparatus for Detecting and Localizing Malfunctions in Electronic Devices	L. C. Higby, Jr.	3,237,157
Ring Counter Checking Circuit.	B. Simon.	3,237,158
Projection Apparatus	W. E. Goetz	3,237,162
Shift Register Utilizing Magnetic Cores and Transistor Latch Circuits	M. P. Xylander	3,237,167
Adaptive Data Compactor.	H. Blasbalg and R. Van Blerkom	3,237,170

March 1966

Method of Producing Ferrite Core Assembly for Magnetic Storage Devices	W. L. Shevel, Jr., O. A. Gutwin and K. R. Grebe. . .	3,237,283
Stack Positioning Document Hopper Feed.	F. E. Becker and K. den Tex	3,237,935
Portable Dictating Machine	W. L. Dollenmayer	3,237,952
Process for Producing Magnetic Films	H. Koretzky and B. Leland.	3,238,061

Photoconductor Preparation	B. Sunners, A. H. Mones and G. Galli.	3,238,062
Wave Analyzing System.	W. C. Dersch.	3,238,303
Cryogenic <i>M</i> out of <i>N</i> Logic Circuits	R. R. Seeber, Jr.	3,238,377
Pulse Comparing Device for Digital Measurement of Signal Shape.	D. Gordon and M. A. Sanborn.	3,238,449
Computer Multiplexing Apparatus	P. Jung and R. J. Murray	3,238,506
Logical Manipulator	D. M. Kelley	3,238,508
Memory Organization for Data Processors.	H. L. Ergott, Jr.	3,238,510
Electro-Optical Devices Utilizing the Stark Shift Phenomenon	W. R. Heller	3,238,843
Impression Control Mechanism Automatically Selecting One of a Plurality of Cams	W. F. Voit, Jr.	3,239,049
Transport Control Device	W. M. Davis	3,239,217
Thin Film Circuitry.	I. Ames, L. V. Gregor, A. L. Leiner and A. M. Toxen	3,239,374
Method of Fabricating High Gain Cryotron	I. Ames	3,239,375
Method for Producing Semiconductor Articles	F. H. Dill, Jr.	3,239,393
Dividing Computer	R. C. Jackson, W. A. Florac and W. D. Winger	3,239,654
Single Cycle Binary Divider	P. E. Goldsberry	3,239,655
Parametric Circuits	R. H. Dennard	3,239,679
Current Driver Circuit	M. F. Bond	3,239,681
Cryogenic Circuit	J. L. Anderson	3,239,683
Superconductive Circuits	J. L. Sanborn.	3,239,684
Logical Devices	P. J. Price	3,239,688
Semiconductor Triggers	G. W. Neff and H. S. Yourke	3,239,695
Data Converting Servo System	J. W. Raider, G. W. Scott and R. A. Tuttle	3,239,735
Signal Converter	A. B. Cistola	3,239,763
Shift Register Employing Logic-Blocks Arranged in Closed Loop and Means for Selectively Shifting Bit Positions.	Y. P. Verma and M. G. Smith	3,239,764
FM Detectors Employing Exponential Functions	Hua-Tung Lee	3,239,769
Superconductive Component.	M. D. Reeber	3,239,787
Weighting and Decision Circuit for Use in Specimen Recognition Systems	R. E. Bonner	3,239,811
Slow Speed Scanning of Input Terminals by Lumped Constant Delay Line	W. G. Spruth.	3,239,813
Memory System	H. E. Petersen and M. Teig	3,239,818
Twin Gap Flux Responsive Head.	D. Chang	3,239,823
Electronic Switching Apparatus	S. G. Francisco	3,239,831
Apparatus for Molding Electrical Connections	P. E. Stuckert	3,239,895
Data Registering Device.	J. P. Harris.	3,240,409
Electrophotographic Processes and Apparatus	H. C. Medley and R. M. Schaffert	3,240,596
Method and Device for Selective Anodization	L. I. Maissel	3,240,685
Bistable Magnetic Thin Film Element and Electrolytic Process for Making Same	H. E. Towner.	3,240,686
Reversible Printing Method	R. S. Haines	3,240,932
Semiconductor Signal-Translating Device	M. Klein.	3,241,012
Positional Servo System	F. K. Allen.	3,241,015
Flow Table Logic	R. J. Domenico, P. R. Low and G. A. Maley.	3,241,118
Asynchronous Data Processing Circuits	P. H. Bardell, Jr.	3,241,122
Memory Allocation.	R. M. Tomasulo, J. R. Kersey, F. M. Trapnell, Jr. and R. Wiig	3,241,125
Bombardment Cutter	H. Wing	3,241,265
Print Hammer Mechanism and Pressure Control Means in High Speed Printers	J. M. Cunningham	3,241,480
Method and Apparatus for Transmitting Binary Data.	C. M. Melas and E. Hopner	3,242,262
Data Timed Multiplication System	E. D. Conroy.	3,242,324
Reading of Data into Arithmetic Circuit and of Result into Memory.	L. R. Harper	3,242,325
Shift Register	F. A. Smalto	3,242,350
Inductive Coupling Circuit.	A. G. Redfield	3,242,424
Transmission Systems.	H. L. Funk and K. E. Schreiner	3,242,462
Character Recognition Employing Plural Directional Scanning	J. G. Baumberger	3,242,463
Temporary Storage Register	R. C. Lamy	3,242,467
Associative Memory System	W. L. McDermid and R. I. Roth	3,242,468
Silicon Oxide Film Formation	H. S. Lehman, W. A. Pliskin and R. L. Ruggles, Jr.	3,243,314
Label Applying Machine	J. M. Anderegg	3,243,329
Method for Making Circuit Connections to Internal Layers of a Multilayer Circuit Card and Circuit Card Produced Thereby.	L. G. Allen, K. Hinck and R. C. Paulsen	3,243,498
Data Handling System	F. O. Underwood	3,243,782
File Search Data Selector	E. J. Rabenda, W. D. Brodd and E. E. Marquardt	3,243,783
Method of Recording and Reproducing Information in which a Plurality of Parallel Data Tracks are Overlapped	W. R. Maclay	3,243,788
Monopulse Radar System Providing Common Amplification of Plural Signals	W. P. Summers	3,243,813