

Recent IBM Patents

July through September 1962

July 1962

Carton Forming and Card Packaging Machine	R. N. Eichorn and R. G. Dexter	3,041,804
Cathode Ray Tube Printer	L. E. Mulock and M. P. Albert	3,041,947
Continuous Type Belt	V. R. Simpson and T. W. Thompson	3,041,964
Carriage Control	G. N. West	3,042,178
Adder Circuit	E. T. Hall, J. D. Newton and J. R. Wood	3,042,304
Process of Preparing Magnetic Ink	R. J. Brown	3,042,616
Preparation of a Bistable Ferrite Circuit Element	J. M. Brownlow	3,042,618
Ferrite Composition for Bistable Magnetic Circuits	J. M. Brownlow and E. C. Schuenzel	3,042,619
Rotatable Magnetic Transducer	W. S. Buslik	3,042,756
Current Sensing Marginal Check Control System	W. E. Parry	3,042,809
Synchronized Gated Transistor Trigger Circuit	G. L. Clapper	3,042,811
Stepping Motor	D. F. Busch	3,042,818
High Speed Electronic Memory	D. D. Willard	3,042,823
Means for Transferring Information Between Plural Memory Devices	E. Estrems and M. Papo	3,042,903
Logical and Memory Elements and Circuits	A. E. Brennemann, R. B. DeLano and D. R. Young	3,042,904
Method of Fabricating Magnetic Printer Write Heads	R. E. Page and T. L. Buley	3,042,999
Inductively Controlled Card Reading	E. J. Rabenda	3,043,504
Data Sensing Circuit	E. A. Brown	3,043,505
Normalizing Apparatus for Floating Point Operations	J. L. Brown, E. C. Layden, J. M. Taylor and D. H. Weiss	3,043,509
Control for Incremental Drive for Record Feeding Devices	A. J. Folmar	3,043,589
Code Converting Mechanism	J. E. Hickerson	3,044,690
Parity Checking Apparatus for Digital Computer	T. C. Cox	3,044,702
Bistable Multivibrator	J. W. Skerritt	3,045,128
Signal Rate of Change Detector and Indicator	L. Laczo	3,045,183
Multi-Timing Single Shot Using Electronically Selected Constant Circuits	L. E. Belcastro	3,045,187
Checking System for Data Selection Network	J. H. Pomerene	3,045,209
Checking Circuit	E. L. Johnson	3,045,212
Magnetic Core Storage Device	A. J. Bullock	3,045,228
Locking Device	C. M. Taylor	3,045,306
Removal Tool	A. W. Northrop and S. J. Yevchak	3,045,336
Pneumatic Expansion Method and Apparatus	W. E. Gifford and H. O. McMahon	3,045,436
Arithmetic Circuit	H. M. Sierra	3,045,914
Magnetic Core Circuits	R. T. Kikoshima	3,045,915
Transistor Multiple Count Trigger with Stepwave Generator Gates	G. L. Clapper	3,046,413
Phased Pulse Generator	R. P. Case	3,046,416
Multiple Junction Semiconductor Device Fabrication	R. L. Anderson and M. J. O'Rourke	3,046,459
Capacitor Storage Unit	G. L. Clapper	3,046,484
Bi-Stable Switching Circuit with Pulse Overlap Discrimination	R. P. Brown	3,046,485
Counter Checking Circuit	J. V. Batley	3,046,523
Character Group Recognition System	R. A. Rowley, F. V. Adams and J. F. Gaffney, Jr.	3,046,527
Transfer Mechanism for Storage Devices	T. H. Rowe, J. P. Hammer and C. J. Kennedy	3,046,528
Translator	G. J. Saxenmeyer	3,046,539
Electro-Optical Translator	F. A. Litz and M. J. Vogel	3,046,540
Angle Digitizer	L. A. Knox	3,046,541
Superconductor Adder Circuit	J. L. Anderson	3,047,230
Isotropic Thin Magnetic Film	J. S. Eggenberger, J. C. Lloyd and R. S. Smith	3,047,423
Epitaxial Semiconductor Deposition and Apparatus	J. C. Marinace	3,047,438
Flip-Flop Responsive to Leading and Trailing Transients of Successive Input Pulses Employing Diode, R-C Combination	J. W. Skerritt	3,047,732
Multiple Output Semiconductor Logical Device	R. F. Rutz	3,047,733
Superconductive Circuit Element Exhibiting Multi-State Characteristics	A. E. Brennemann	3,047,743
Signal Converter	G. K. Machol	3,047,853
Electrical Decoder	M. J. Coleman	3,047,854

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Information Reproducing System	F. I. Gewickey, R. K. Golden and B. M. Muenzer	3,048,327
Program Interrupt System	F. P. Brooks and D. W. Sweeney	3,048,332

Fast Multiply Apparatus in an Electronic Digital Computer	J. L. Brown, J. M. Taylor and P. N. Stoughton	3,048,333
Sheet Separating Apparatus	R. J. Furr and E. M. Valehrach	3,048,393
Transducer with Low Microphonics	R. G. Neville	3,048,666
Bistable Multiar	R. L. Horton	3,048,715
Pulse Generating and Timing Circuit for Generating Paired Pulses, One More Narrow than the Other	P. P. Cartier	3,048,785
Electronic Amplifier	A. W. Vinal	3,048,790
Multiple Colored Printing Inks and Pigments	E. P. Damm, Jr.	3,049,077
Tape Reader Control	R. C. Greenhalgh and D. E. Norton	3,049,291
Multiplying Computer	W. H. Rhodes, J. G. Brenza, W. D. Winger and R. C. Jackson	3,049,295
Process for Manufacturing Cured Magnetic Tapes Utilizing an Isocyanate Accelerator	R. S. Haines and B. Leland	3,049,442
Error Detection Circuit	W. A. Hunt	3,049,692
Readback Circuit for High-Density Magnetic Bit Storage	L. H. Thompson and J. W. Wenner	3,049,698
Print Hammer Actuator	E. A. Brown and G. H. Schacht	3,049,990
Serial Numbering Printer	G. A. Giannuzzi	3,049,991
Fluid Pressure Control Valve	M. W. Johnston and R. D. Markle, Jr.	3,050,081
Single Element Printing Mechanism	R. D. Dodge and N. K. Perkins	3,050,170
Typewriter Tape Punch with Automatic Letters-Figures Shift	J. E. Hickerson	3,050,241
High Speed Transistor Switch	E. H. Sommerfield	3,050,636
Single Shot Multivibrator with Pulse Width Control	L. A. Tate	3,050,639
Logic Circuit Having Speed Enhancement Coupling	J. L. Walsh	3,050,641
Superconductive Gate Switching its Conducting State in Response to Mechanical Stress Imposed by Piezoelectric Crystal	R. A. Connell and D. P. Seraphim	3,050,643
Voltage Holding Circuit	A. X. Widmer	3,050,673
Cryogenic Circuit	J. L. Anderson	3,050,683
Automatic Gain Control	D. D. Willard	3,050,692
Superconductive Circuits	O. T. Anderson	3,050,721
Asynchronous Adder-Subtractor System	J. H. Pomerene and J. Cocke	3,051,387
Photosensitive Field Effect Unit	E. M. Davis	3,051,840
Ring Counter Using a Walking Code and Having a Common Pulsing Line	L. R. Harper	3,051,853
Air Bearing Transducer with Gimbal Ring Mounting	A. G. Osterlund	3,051,954

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Electrostatic Printer Apparatus for Printing with Liquid Ink	R. M. Schaffert	3,052,213
High-Speed Column-by-Column Reading Device	N. J. Woodland	3,052,405
Data Classifying Device	G. J. Saxenmeyer	3,052,406
Data Storage Device	D. W. Haney	3,052,407
Offset Print Correction Device	J. M. Cunningham, F. L. Pratt and G. J. Watkins	3,052,408
Multiplier Circuit	H. B. Baskin	3,052,412
Sheet Separating Apparatus	B. F. David	3,052,465
Stacker for Intermixed Documents of Varying Size	F. L. Fertig	3,052,467
Stacking Device	A. Cutaia and R. H. Harrington	3,052,468
Printing with Magnetic Ink	F. W. Kulesza	3,052,564
Contact Connector Operating Devices	E. C. Uberbacher and R. T. Evans	3,052,863
Recording Head	H. J. Kump	3,052,885
Photoelectric Digital Adder Circuit	F. A. Litz	3,053,450
Superconductor Circuits	J. B. Mackay	3,053,451
Temperature Sensing Circuit	W. L. Shevel, Jr.	3,054,044
Oscillators Operable Selectively Between Oscillation and Non-Oscillation	R. F. Rutz	3,054,070
Data Transferring Systems	A. E. Brennemann, H. K. Wild and W. Wolensky	3,054,091
Magnetic Control Device	M. K. Haynes	3,054,093
Magnetic Shift Register	P. E. Stuckert	3,054,094
Display Device	W. K. French	3,054,203
Magnetic Lithographic Inks	C. B. Blake and L. F. Miller	3,054,751
Square Loop Magnetic Manganese-Ferrite Material and Manufacture Thereof	E. C. Leaycraft	3,054,752
Automatic Reference Switching Circuit	G. W. Spencer II	3,054,909
Inverting Circuit Employing a Negative Resistance Device	F. K. Buelow	3,054,911
Time Sequencer	E. V. Montross	3,054,932
Regulated Power Supply	L. J. Thompson	3,054,939
High Frequency Measurements	E. J. Rymaszewski	3,054,948
Information Storage Device Employing Atomic Particle Bombardment to Effect Semi-Permanent Change in Target Lattice	J. T. Smith	3,054,961
Free-Running Pulse Generator for Producing Steep Edge Output Pulses	A. M. Gindi	3,054,967
Noise Eliminator	J. R. Noonan	3,054,990
Method for Comparing Configurations	A. E. Cooper and M. W. Olson	3,054,998

High Density, Erasable Optical Image Recorder	A. W. Dreyfoos, Jr., R. V. Mazza, W. A. Radke and A. A. Staley	3,055,006
Pickup Device	D. H. Cronquist	3,055,522
Capacitor Comparing Device	F. Saltz and J. P. Hammer	3,055,581
Perforated Record Reader	A. H. Battison, I. M. Hix, C. B. Smith and V. O. Wilkerson	3,055,582
Perforated Record Reader	F. M. Demer	3,055,583
Digit-by-Digit Decimal Core Matrix Multiplier.	R. A. Davis	3,055,586
Arithmetic System	F. S. Wiedmer and T. Liou	3,055,587
Manifold Record Assembly	B. E. Forsyth and M. P. Prater	3,055,681
Thin Magnetic Films	R. F. Sankuer and J. Riseman	3,055,770
Integrator Circuit and Print Quality Inspection System Embodying the Same	M. R. Cannon	3,056,032
Error Check Circuit	A. W. Heineck	3,056,108
High Speed Shift Register	C. T. Lecher, Jr.	3,056,112
Magnetic Core Device	R. R. Booth	3,056,117