

July through September 1958

Recent IBM Patents

July 1958

Wire Printer Mechanism	R. B. Johnson and F. G. Wolff	2,841,077
Punching Mechanisms with Coordinated Punch Checking Means	J. M. Cunningham	2,841,221
Infinite Platen Variable	S. B. Tibbling	2,841,264
Transformer Coupled Cathode Follower	R. C. Kuenstner and D. J. Crawford	2,841,706
Electronic Logical Circuits	L. R. Harper	2,841,708
Convertible Storage System	G. F. Bland, W. J. Deerhake and J. Jeenel	2,841,740
Relay Circuit	A. C. Reynolds, Jr.	2,841,748
A Gaseous-Discharge Tube Tester	R. L. Bullard and H. J. Beatty, Jr.	2,841,762
Automatic Verification of Zeros	R. L. Rockefeller and L. F. Trimble	2,841,981
Sheet Controlled Electrically Operable Time Recording Device	T. Coonradt	2,842,052
Record Feeding Devices	F. J. Furman, T. D. Koranye and K. E. Rhodes	2,842,246
Feed Control Tape Sensing Devices	F. Saltz and R. L. Street	2,842,248
Variable Speed Feed Control Devices	W. F. Morgan and R. V. Muffley	2,842,249
Record Feeding Means	F. J. Furman, O. F. Moneagle, D. R. Wetjen and A. A. Dowd	2,842,250
Ferroelectric Accumulator	H. J. Geisler	2,842,313
Method of Growing Semiconductors	R. W. Landauer and L. P. Hunter	2,842,467
Method of Making Ferrite Structures	J. W. Gibson and K. A. Lundberg	2,842,500
High Frequency Transistor Oscillator (P. O.)	R. F. Rutz	2,842,668
Reversible Shift Register	G. L. Clapper	2,842,682
Pulse Generating Circuit	G. L. Clapper	2,842,683
Magnetic Storage Device	H. P. Luhn	2,842,754
Ternary Magnetic Storage Device	R. C. Lamy	2,842,755
Voltage Regulator Apparatus	D. R. Daykin and G. R. Stilwell, Jr.	2,843,820
Classification Circuit	J. M. Cunningham and D. R. Daykin	2,843,839
High Speed Punch	C. D. Lake and W. Pfaff	2,845,122
Card Comparing Means	F. M. Demer	2,845,224
Super High Frequency Divider	B. L. Havens and M. G. Smith	2,845,538
Amplitude Discriminator	J. A. Purcell and H. J. Beal	2,845,546

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Automatic Error Deletion for Paper Tape	R. A. Barbeau	2,846,007
Card Punching Machine	A. H. Dickinson	2,846,008
Memory Line Device	R. A. Barbeau and P. M. Young	2,846,009
Print Element Actuating Mechanism	J. E. Hickerson	2,846,043
Record Controlled Machine	D. H. Sloat	2,846,066
Record Controlled Machine	C. R. Manning	2,846,067
Electronic Switch	B. L. Havens	2,846,575
Temperature Compensated Semiconductor Devices	R. F. Rutz	2,846,592
Indicator Tube	W. H. Dass and R. B. Koehler	2,846,610
Electrostatic Memory System	R. B. DeLano, Jr. and D. R. Young	2,846,615
Magnetic Core Shift Register	W. M. McMillan and R. W. Lowrie	2,846,669
Teaching Machine	B. F. Skinner	2,846,779
Movable Drum Typewriter	F. M. Carroll	2,847,105
Electrical Contact Assembly	R. D. Munn	2,847,529
Pulse Gap Detector	G. L. Clapper	2,847,565
Thyratron Circuit	C. D. Southard	2,847,573

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Drum Storage Look-Up Device	F. V. Adams	2,847,658
Positioning Device	J. J. Lynott	2,847,859
Counter	E. G. Wagner	2,848,166
Electronic Ring Circuit	R. E. Nienburg	2,848,608
Diode Array	A. J. Critchlow	2,848,664
Point Contact Transistor and Method of Making Same	J. B. Little	2,848,665
Multidimensional High Speed Magnetic Element Memory Matrix	M. K. Haynes	2,849,705

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Machine for Embossing Thermo-Plastic Workpiece	T. G. Leary	2,849,752
Card Photographing Machine	J. J. Nolan	2,849,916
Typewriter Key Connecting Devices	R. R. Seeber, Jr. and R. L. Bennett	2,850,136
Magnetic Record Input-Output Device for Calculators	J. E. Bartelt and M. E. Femmer	2,850,234
Automatically Reset Register	A. H. Dickinson	2,850,235
Rotational Displacement Indicating System	A. H. Dickinson	2,850,240
Spiral Pattern Magnetic Drum Printing	W. J. Rueger	2,850,348
Amalgam Contact Material	M. J. Kelly and J. E. Wallace	2,850,382
"Exclusive OR" Logical Circuits	H. Fleisher	2,850,647
Detector Circuit	E. N. Schroeder	2,850,649
Delay Network	R. Widmer	2,850,679
Subminiature Structure for Electrical Apparatus	P. V. Morton	2,850,681
Semiconductor Circuit Elements	G. A. Silvey	2,850,688
Variable Multi-Line Printer	E. R. Wooding	2,850,967
Selective Address Printer for Diagonally Fed Strip	E. W. Pape, Jr.	2,850,968
Wire Printing Typewriter	H. J. Kistner	2,851,141
Copper-Base Alloys	D. B. Roach, R. B. Fischer and J. H. Jackson	2,851,353
Electrical Air Gap Gage	J. A. Potter	2,851,569
Signal Translating Apparatus	G. L. Clapper	2,851,604
Circuit Testing Apparatus	B. M. Tobin, M. J. Kormanski and B. L. Havens	2,851,660
Typewriter Controlled Tape Punch	R. A. Barbeau	2,852,076
Electric Circuits Including Non-Linear Impedance Elements	R. A. Henle and R. W. Emery	2,852,700
Magnetic Recording and Reading Apparatus	J. J. Hagopian	2,852,761
Method of Making Magnetic Recording Media	R. V. Rogers	2,853,407
Flight Scoring Punch	D. A. Novak and F. M. Carroll	2,854,077
Shift Mechanism	H. Reichle	2,854,077
Quick Ribbon Insert Device	R. J. Young	2,854,121
Power Operated Tabulating Mechanisms	R. D. Dodge	2,854,123
Typewriter Carriage Decelerator	R. D. Dodge and J. H. Norcross	2,854,124
Timing and Data Selection Means for a Register Display Device	K. E. Schreiner, B. L. Havens and G. F. Bland	2,854,192
Axial and Radial Thrust Bearing	H. K. Baumeister	2,854,298
Magnetic Transducer	E. A. Quade	2,854,525
Electronic Storage Device Employing a Phantastron with Arrangement for Gating Synchronizing Pulses	J. E. Fernekees	2,854,573
Current Multiplication Transistors	R. W. Landauer	2,854,588
Storage Device	R. L. Palmer, J. A. Haddad, J. E. Fernekees and E. B. Chapman	2,854,654