

April through June 1961

Recent IBM Patents

April 1961

Key Operated Machines	J. E. Hickerson	2,978,086
Paper Feeding Device	E. S. Pearson and R. D. Dodge	2,978,088
Ribbon Feed Mechanism for Typewriters	R. D. Dodge and N. D. Walton	2,978,089
Tape Drive	K. N. Gower and A. H. Schroeder	2,978,159
Scanner Drum	E. R. Maurer and G. Micklus	2,978,173
Program Control System for Electronic Digital Computers	E. A. Newman and D. O. Clayden	2,978,175
Multipath Logical Core Circuits	N. F. Lockhart	2,978,176
Preaging Method	H. H. Nick	2,978,286
Magnetic Flip-Flop	E. Bloch and R. C. Paulsen	2,978,593
Transistor Level Shifter	J. B. Mackay	2,978,595
Character Synthesizing Tube	J. E. Gaffney, Jr.	2,978,608
Fluid Pressure Connector for Printed Circuit Card	J. E. McGregor	2,978,666
Data Transmission System	W. D. Winger, P. W. Jackson and V. R. Witt	2,978,678
Read-Write Amplifier System	B. L. Havens	2,978,686
Data Comparator	J. Jancin, Jr.	2,979,257
Data Transfer System	E. Estrems	2,979,260
Paper Feeding Mechanism	J. M. Cunningham	2,979,329
Infrared Stimulable Phosphors	S. P. Keller	2,979,467
Method and System for Transmitting Data	E. Hopner and H. G. Markey	2,979,566
Transistor Switching Circuits	P. H. Halpern	2,979,627
Pulse Counter	H. P. Wolff	2,979,703
Acceleration Measuring Means	G. W. Johnson	2,979,960
Cylinder Adder	F. A. Litz	2,980,063
Method for Web Feeding and Cutting	O. D. Johnson	2,981,134
Electronic Multiplier	R. K. Richards and G. A. Morey	2,981,470
Semiconductor Device Fabrication	G. L. Tucker	2,981,645
Pulse Controlled Multivibrator	H. Frantz	2,981,848
Electroluminescent Decals	J. A. O'Connell	2,981,858
High Speed, High Current Transistor	R. F. Rutz	2,981,874
Storage Device	J. W. Horton	2,981,891
Stored Address Memory	L. A. Tate	2,981,931
Multistable Circuit	J. W. Crowe and B. Housman	2,981,933
Communication Systems	R. L. Garwin	2,981,940

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Method of Making Circuit Panels	H. P. Luhn	2,981,981
Information Storage and Retrieval System	R. H. Kay	2,982,176
Hydraulic Oscillator	H. A. Panissidi	2,982,262
Positioning Device	N. A. Vogel and W. W. Woodbury	2,982,381
Lanthanum Manganese Hexaferrites	V. L. Moruzzi and B. A. Calhoun	2,982,607
Ferrite Composition Containing Titanium and Nickel	J. M. Brownlow	2,982,732
Automatic Gain Control Circuit Utilizing Variable Capacitance	G. C. Bacon	2,982,822
Access Selection Circuit	A. F. Shugart	2,982,946
Multi-Material Ferrite Cores	J. M. Brownlow and E. C. Schuenzel	2,982,948
Control Apparatus for Record Feeding Devices	T. W. Thompson	2,983,356
Electronic Counter Control for Continuous Forms Feeding	E. Estrems and M. Papo	2,983,357
Data Processing Input Apparatus	H. F. Martin and J. J. Lynott	2,983,444
Record Sensing Devices	R. B. Johnson, O. F. Moneagle, T. D. Koranye, H. A. Jurgens and M. P. Prater	2,983,445
Electro-Optical Point Shutter	R. W. Weeks and W. E. Dickinson	2,983,824

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Selective Printer	D. H. Cronquist	2,984,177
Phase Alternating Status Keeper	F. M. Trapnell, Jr. and H. C. Hilliard, Jr.	2,984,827
Magnetic Typewriter	J. E. Hickerson	2,985,135
High Speed Punch	H. A. Panissidi	2,985,237
Clutch	L. A. Wilson	2,985,271
Testing of Magnetic Materials	G. O. Boehm and B. H. Matteson, Jr.	2,985,300
Paper Tape Transmission System	R. A. Barbeau, W. L. Stahl and P. M. Young	2,985,714
Electro-Optical Binary Counter	T. I. Ress	2,985,763
Transistor Switching System	P. H. Halpern	2,985,771
Amplitude Limiting of Binary Pulses with Zero Wander Correction	C. J. Brown	2,985,839
Magnetic Scanner	W. S. Buslik	2,985,863
Multistable Magnetic Core Shift Register	D. D. Christensen, J. D. Goodell, K. H. Gutz and E. J. Wendt	2,985,867
Magnetic Neither Nor Circuit	J. A. Kauffmann and R. M. Tomasulo	2,985,868
Ribbon Mechanism	W. B. Whippo	2,986,260
Record Punching Machine	A. M. Tailleux	2,986,329
Low Flux Density Ferromagnetic Material	J. M. Brownlow	2,986,522
Photovoltaic Cell	J. A. Swanson and P. V. Horton	2,986,591
Single Crystal Photovoltaic Cell	G. Cheroff	2,986,644
Non-Commutative Logical Circuits	R. F. Rutz	2,986,653

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Xerographic Printer	W. D. Bolton	2,987,037
Simplified Collator	C. E. Branscomb	2,987,181
Information-Handling Apparatus	K. E. Schreiner and B. L. Havens	2,987,253
Manganese-Zinc Ferrite	J. M. Brownlow	2,987,481
Information-Handling Method	K. E. Schreiner	2,987,630
Method of Calibrating a Servomechanism	J. W. Haanstra and J. M. Harker	2,987,803
Hydraulic Stepping Motor	D. P. Darwin	2,987,889
Rotating Cylinder Positioning Mechanism	F. A. Litz	2,988,057
Method of Forming Crystals	J. S. Hanson	2,988,433
Bistable Transistor Circuit Using 6-Terminal Transistor which Acts as Two Independent Transistors	R. F. Rutz	2,988,652
Negative Resistance Semiconductor Device Structure	S. L. Miller	2,988,677
Shifting Registers	G. L. Clapper	2,988,701
Binary Memory System	A. W. Vinal	2,988,732
Azimuth Directional Reference System	R. W. Madden, J. E. Lundberg, F. A. Foss and H. T. Marcy	2,988,818
Fluid Apparatus	B. G. Gardineer, Jr.	2,989,005
Conveying Device	W. J. Rueger	2,989,029
Wear Compensator	G. A. Walker, R. D. Dodge and L. E. Palmer	2,989,166
Automatic Sorting Machine	A. H. Dickinson	2,989,181
Punching Device	H. H. Glattli	2,989,228
Double Action High Speed Punch	R. A. Barbeau	2,989,229
Binary-Decimal Conversion System	A. H. Dickinson	2,989,235
Hydraulic Drive Tape Handling System	H. A. Panissidi	2,989,260
Sheet Feeding Apparatus	J. A. Weidenhammer	2,989,307
Magnetic Recording Medium and Method of Making the Same	R. S. Haines and P. V. Horton	2,989,415
Method of Transistor Manufacture	R. F. Rutz	2,989,426
Superconductive Circuits	A. E. Brenemann, G. J. Kahan and R. T. C. Tsui	2,989,716
Data Storage Unit	N. J. Albanes	2,989,731
Time Sequence Addressing System	D. R. Young	2,989,732
Ferroelectric Circuit Element	M. E. Drougard, E. J. Huijbregtse and D. R. Young	2,989,733
Blown Fuse Indicator	E. S. Wilson	2,989,739
Switching Circuits Using Constant Current Source	R. A. Henle	2,990,479
Tape-to-Card and Card-to-Tape Converter	J. A. Weidenhammer	2,990,538
Transistor Amplifiers	J. B. Mackay, J. C. Logue and R. W. Emery	2,990,539