

July through September 1964

Recent IBM Patents

July 1964

Incremental Drive Mechanism	J. E. Lisinski	3,139,763
Printing Unit	F. Hilpert	3,139,819
Pneumatic Switch	R. A. Comparin	3,139,895
Apparatus for Feeding Continuous Webs	C. J. Fitch	3,140,031
Sheet Handling Apparatus	B. J. Greenblott and W. J. Wheeler	3,140,089
Electrical Connector	D. A. Marquis	3,140,142
Apparatus for Detecting the Sense of Variation of an Electrical Potential	L. H. Thompson	3,140,406
Character Recognition System	E. C. Greanias and W. W. Hardin	3,140,466
Magnetic Switching Devices	M. P. Marcus	3,140,467
Data Transfer Apparatus	L. R. Adams and E. H. Sommerfield	3,140,472
Information Storage System	J. E. Gaffney, Jr.	3,140,473
Tunnel Diode Address Register	H. R. Grubb	3,141,097
Control Apparatus	J. E. Greene and J. J. Ingram	3,141,152
Magnetic Memory System	A. W. Vinal	3,141,155
High Speed Printing Apparatus	V. O. Wilkerson and C. B. Smith	3,141,170
Selective Printing Apparatus	R. J. Brown, D. B. Derr and F. C. Gut	3,141,403
Thin Film Color Display Device	H. B. Bebb, H. E. Heath, R. B. Hilborn, Jr. and F. S. Maddocks	3,141,920
Data Transmission Signal Gating Apparatus	M. A. George	3,141,929
Parity Predicting Circuit	F. E. Sakalay	3,141,962
Calculating Memory	H. Fleisher and R. I. Roth	3,141,964
Memory System	N. Rochester	3,141,980
Multi-Aperture Magnetic Core Storage Device	J. M. Brownlow, M. K. Haynes and W. A. Hunt	3,142,036
Multivalued Logic Element	M. J. Gazale	3,142,037
Control Apparatus for Digital Computer	P. J. Mancuso, Jr.	3,142,041
Electro-Magnetic Signal Responsive Device	R. S. Bartel and D. W. Bright	3,142,046
Memory Array Sensing	D. J. Crawford	3,142,049
Method of Treating Polyester Polymer Materials to Improve their Adhesion Characteristics	B. Leland	3,142,581
Method of Treating Polyester Polymer Materials to Improve their Adhesion Characteristics	H. Koretzky and B. Leland	3,142,582
Magneto-Optical Memory and Display Device	E. N. Adams	3,142,720
Transmission Line Filter Having Coupling Extending Quarter Wave Length Between Strip Line Resonators	T. Gonda	3,142,808
Matrix Energizing System	F. A. Litz	3,142,821
Magnetic Computer Element	W. L. Shevel	3,142,825
Telemetry System	C. M. Johnson	3,142,837
High-Speed Printing Apparatus	C. B. Smith and V. O. Wilkerson	3,142,840

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Tape Drive	L. R. Harper	3,143,312
Parametrons	R. W. Landauer	3,143,657
Negative Resistance Memory Systems	R. A. Henle	3,143,725
Magnetic Counter	S. C. Chao	3,143,726
Core Storage Configuration	N. C. Loeber	3,143,728
Very High Speed Cam Actuated Punch with Interposer between Punch and Cam	N. A. Vogel and W. W. Woodbury	3,143,912
Method of Fabricating a Plurality of PN Junctions in a Semiconductor Body	A. J. Rideout and T. K. Worthington	3,144,366
Signal to Noise Enhancement Technique for Binary Transmission	D. H. Rumble	3,144,609
Error Correcting System for Binary Erasure Channel Transmission	D. T. Brown and P. W. Woo	3,144,635
Random Access File with Stationary Records	R. C. Treseder	3,144,642
Method of Making Couplings to Superconductor Circuits	D. J. Quinn, III	3,144,704
Printer Apparatus Having Print Force Control	J. E. Drejza	3,144,821
Transistor Preparation Machine	T. H. Cole	3,144,889

Mechanical Object Manipulator	D. G. Pittwood	3,144,947
Method for Controlling Flux Pressuring during a Sintering Process	G. Cheroﬀ, F. Hochberg, A. Reisman and S. Triebwasser	3,145,120
Degenerate Doping of Semiconductor Materials	J. C. Marinace	3,145,123
Method of Synthesizing III-V Compound Semiconductor Epitaxial Layers having a Specified Conductivity Type without Impurity Additions	V. J. Lyons	3,145,125
Bi-Directional Binary Counter	M. E. Homan	3,145,293
Divider Device for Skipping a String of Zeros or Radix-Minus-One Digits	D. W. Sweeney	3,145,296
Gate Circuits Utilizing Light Sources and Photoconductors	W. Spruth	3,145,301
Electro-Optical Circuitry having Improved Response Speed	T. G. Dunne, J. Heer and S. Triebwasser	3,145,302
Load Sharing Magnetic Switches	R. T. Chien	3,145,306
Monostable Multivibrator with Early Reset if Desired	A. M. Gindi	3,145,308
Superconductive In-Line Gating Devices and Circuits	C. J. Bertuch and N. H. Meyers	3,145,310
Comparing Matrix	H. R. Jensen	3,145,366
Magnetostrictive Thin Film Delay Line	J. C. Suits and A. M. Yelon	3,145,372
Programmed Instruction Format and Book	K. L. Aldershof	3,145,481
Process for Making a Tungsten Carbide Die	D. W. Brearley and D. K. Rex	3,145,586
Synthetic Speech Sound Generator	G. L. Clapper	3,146,309
Synchronously Operated Transistor Switching Circuit	G. L. Clapper	3,146,355
Automatic Output Control System	E. C. Greanias and W. W. Hardin	3,146,422
Timing Circuit	G. J. Laurer	3,146,423
Memory System	M. Agon, J. Jeannot and Y. Poupon	3,146,426
Drum Storage System	G. J. Laurer and C. D. Southard	3,146,429
Data Transmitter	L. H. Sedaris	3,146,439
Magnetic Data Transferring Device	A. Cutaia, F. M. Demer and M. J. Kelly	3,146,455

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Developing Apparatus	C. L. Donelson and P. Betts	3,146,687
Electrostatic Image Transfer Processes and Apparatus Therefor	R. M. Schaffert	3,147,679
Card Eject Unit	R. Wernikowski	3,147,701
Magnetic Recording Media	L. diRicco and J. P. Del Favero	3,148,082
Binary Adder	E. M. Davis, Jr.	3,148,274
Position Indicating Means	H. H. Burk, Jr.	3,148,325
Ferroresonant Transformer with Saturating Control Winding	O. M. Baycura, D. F. Busch, P. Essinger and J. F. O'Donnell	3,148,326
Photoelectric Recording Apparatus	R. M. Schaffert	3,148,354
Storage Device Utilizing Color Film and Movable Filters	D. D. Sliter and R. M. Chadly	3,148,355
Shift Register	R. A. Leightner	3,148,359
Analog to Digital Converter	R. A. Schulz	3,148,366
Contact Printing Apparatus	C. A. Plante and E. A. Holub	3,148,610
Fluid Controlled Device	B. J. Greenblott	3,148,691
Sheet Driving and Aligning Mechanism	D. W. Brearley	3,148,877
Stacking Apparatus	H. J. Kistner	3,148,879
Digitization of Video Signals	H. Schade	3,149,202
Cryotron Clip and Clamp Circuit	J. P. Beesley	3,149,240
Timing Ring Circuit Comprising Series Multistable Multivibrators with Feedback Paths	T. W. Angehrn	3,149,242
Parity Check Circuit	F. Gerrand and P. E. Kauffman	3,149,307
Cryogenic Memory Device with Shifting Word Registers	M. K. Haynes	3,149,312
Inductive Matrix Arrangement for Sensing Magnetic Configurations	E. A. Quade	3,149,316
Means and Method for Providing Controlled Air Bearing Support for a Member Over a Smooth, Regular, Moving Surface	D. D. Sliter	3,149,337
Direct Access Photo Memory	A. J. Critchlow	3,149,529
Container for Apertured Articles	G. A. Bisbee and M. A. Sanborn	3,149,721
Method for Plating Palladium	G. D. Fatzer	3,150,065
Ferrite Ceramic Compositions and Method of Preparation	J. M. Brownlow and J. A. Morrow	3,150,095
Light Sensitive, Multi-Stable Storage Device	R. H. Terlet	3,150,265
Magnetic Switching Device	N. G. Vogl, Jr.	3,150,269
Binary Trigger Circuit Employing Tunnel Diode Device	H. Dym	3,150,273
Space Satellite Communications System Employing a Modulator-Reflector Relay Means	E. L. Gruenberg	3,150,320
Coupling Between and Through Stacked Circuit Planes by Means of Aligned Wave Guide Sections	T. Gonda	3,150,336
Computer Manual Keyboard Entry	J. C. Tackovich	3,150,355

Magnetic Patterns	E. G. Newman	3,150,356
Data Detection System for Reproducing Magnetic Binary Information	E. G. Newman, D. Chang and L. A. Tate	3,150,358
High Density Record Carrier	J. W. Wenner	3,150,939
Capacitor Storage Device for Shift Register Applications	E. L. Lee	3,151,251
Bidirectional Decade Counter	R. A. Leightner	3,151,252
Magnetic Film Logical Bias Device	B. Dunham and J. C. Slonczewski	3,151,315
Hydrodynamic Means for Supporting a Transducer	R. E. Marrs	3,151,319