

Recently Issued Patents Assigned to IBM

December 1965 and January 1966

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Teaching Machine	G. E. Hoernes, H. S. Long and G. A. Maley	3,221,418
Strip Drive and Positioning Mechanism	F. S. Stauffer and C. L. Donelson	3,221,431
Refrigeration Method and Apparatus	R. L. Garwin	3,221,509
Process of Producing Metallic Deposits	J. H. Marshall	3,222,207
Process for Affixing Ohmic Contacts to Photoconductor Elements	M. Berkenblit, G. Cheroff, F. Hochberg and A. Reisman	3,222,216
Multiple Station Selection System	N. J. Albanes and M. P. Langendorf	3,222,460
Variable Radix Adder and Subtractor	R. M. Meade	3,222,506
Photosensitive Ring Circuit	P. R. Low and R. Rice	3,222,527
Multi-State Photoconductive Logic Circuits	R. A. Thorpe	3,222,528
Superconductive Variable Inductance Logic Circuit	T-H. Cheng	3,222,544
Monostable Logic Circuit	A. S. Farber	3,222,549
First Bit Generator for Binary Tape Systems	D. R. Dustin	3,222,603
Cylindrical Lasers Utilizing Internal Reflection Techniques	S. Holly	3,222,615
Specimen Identification Apparatus Utilizing Optical Autocorrelation Functions	G. L. Shelton, Jr.	3,222,638
Error Detecting and Correcting Systems	J. F. Klinkhamer	3,222,643
Data Processing Equipment	C. Strachey	3,222,647
Data Input Device	K. A. Bell and D. S. MacLeod	3,222,648
Interpretation Machine	J. P. Lazarus	3,222,650
Special-Function Data Processing	F. E. Sakalay	3,222,652
Memory System for Using a Memory Despite the Presence of Defective Bits Therein	R. Rice	3,222,653
Matrix Switching System	G. D. Bruce and W. R. Wohlfort	3,222,658
Variable Density Data Recording Utilizing Normal Skew Characteristics	R. A. Skov	3,222,659
Method of Making Magnetic Transducer Head	W. J. Homan	3,222,754
Method and Apparatus for Treating Molten Material	R. J. Kawecki	3,222,776
Rotary Stapler	M. R. Chaffee and D. W. Leach	3,223,304
Binary Division Apparatus	C. R. Holleran	3,223,831
Digital Data Modulation Device	W. A. Florac, Jr., H. Y. Juliusburger and A. A. Kusnick	3,223,925
Character Group Comparison System	R. A. Rowley, F. V. Adams, G. L. Clapper and A. Hamburg	3,223,971
Last Ones Counter	H. D. Thompson	3,223,975
Magnetic Core Memory	E. Bloch and H. L. Gelernter	3,223,984
Record Cards	J. C. Seigh	3,224,130
Type Carrier Device	J. M. Cunningham	3,224,366
Wear Compensating Apparatus Including Bi-Directional Spring Clutch	R. F. Hanft	3,224,545
Wear Compensating Apparatus Having Plural Pawls	J. B. O'Daniel and L. E. Palmer	3,224,546
Rotary Punching Device	O. D. Johnson and K. B. Maynard	3,224,671
Sound Analyzing System	W. C. Dersch	3,225,141
Marginal Checking Apparatus	J. C. Jones	3,225,176
Scintillation Detection Apparatus	G. J. Sprokel	3,225,194
Sequence Checking Means with Plural Gate and Latch Means	G. M. Berkin	3,225,205
Tunnel Diode Gating Circuit with Self Reset	M. Hilsenrath	3,225,212
Electroluminescent Photoconductive Display Device	B. Narken and A. S. Miller	3,225,253
Differential Quantitized Storage and Compression	A. W. Vinal	3,225,333
Document Feeding Device	C. H. Beiderbecke and M. B. Emig	3,225,887
Digital Tape Drive System	R. A. Barbeau, J. H. Fagut, D. O. Johnson, Jr. and E. S. Pearson	3,225,990
Fluid Controlled Device	B. J. Greenblott and R. A. Comparin	3,226,530
Superconductive Adder and Correlator	W. J. Fitzgerald	3,226,534
Photosensitive Multiple State Circuit for Computing and Data Processing Systems	R. H. Terlet	3,226,553
Cascade Storage Apparatus	R. H. Terlet	3,226,554
Logic Tree Comprising NOR or NAND Logic Blocks	J. Earle	3,226,565
Monostable Multivibrator Utilizing Unidirectional Device in Cross-Coupling to Isolate Output from Input During Quiescent Condition	F. L. Rogers, Jr.	3,226,576

Sequential Decision Making Device	J. E. Gaffney, Jr.	3,226,683
Computer Control Apparatus	T. C. Cox	3,226,684
Address Modification Matrices	L. R. Adams, A. F. Collins, E. B. Eichelberger and M. J. Kelly	3,226,686
Data Translator	J. V. Sharp	3,226,690
Magnetic Universal Logical Circuit	J. A. Kauffmann	3,226,699

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Apparatus for Positioning Transistor Header	M. Beliveau	3,226,810
Specimen Identification Apparatus Utilizing an Elliptically Polarized Optical Autocorrelation Function	G. L. Shelton, Jr.	3,227,034
Document Feeding Device Having Clutch and Brake Means	D. E. Rutter	3,227,344
Method of Producing Magnetic Films	H. Koretzky, B. Leland and R. W. Polleys	3,227,635
Electroluminescent Phosphor Containing Moisture Absorbents	D. C. Jeffreys	3,227,656
Residue Checking System	G. E. Hoernes	3,227,865
Device for Controlling a Process Representable by Electrical Oscillations and Including Digital Conversion Means	W. E. Proebster, K. Kohler and W. Dietrich	3,227,952
Parallel Input Extreme Signal Indicator Having a Control Impedance in a Common Current Path	J. Reines	3,228,002
Matrix Search Device	A. J. Sriver, Jr.	3,228,003
Apparatus for Manipulating Data on a Byte Basis	J. W. Delmege, Jr., J. L. Ellsworth and C. R. Hollenbach	3,228,005
Data Transfer Control	K. W. Borrer and R. M. Meade	3,228,008
Method and Apparatus for High Density Digital Data Magnetic Recording	E. Hopner	3,228,016
Conversion System	G. L. Clapper	3,228,022
Heat Exchange Device	R. L. Garwin	3,228,460
Circuit Fabrication	I. Ames	3,228,794
Quantum Mechanical Tunneling Semiconductor Device	R. C. McGibbon	3,228,811
Code Converter	L. J. Boland, R. Keslin, G. H. Ottaway and W. V. Wright	3,229,078
Digital Computing Systems	J. E. Ward	3,229,080
Apparatus for Obtaining the Difference of Two Incident Optical Radiations	G. J. Lasher and A. H. Nethercot, Jr.	3,229,095
Electronic Servo System	E. C. Greanias	3,229,100
Four Terminal Electro-Optical Semiconductor Device Using Light Coupling	R. F. Rutz	3,229,104
Solid State Electrical Circuit Component	L. Esaki	3,229,172
Vestibular Sideband Transmission System	D. L. Critchlow and R. H. Dennard	3,229,209
Optical Masers Having Terminal Level Above Ground State	P. P. Sorokin and M. J. Stevenson	3,229,221
Lasers Utilizing a Resonator with a Heat Sink	P. P. Sorokin and M. J. Stevenson	3,229,222
System for Analysing the Spatial Distribution of a Function	W. K. Taylor	3,229,236
Computer Error Stop System	M. E. Homan and R. M. Meade	3,229,251
Matrix for Reading Out Stored Data	J. C. Logue	3,229,253
Memory System	J. L. Anderson	3,229,255
Multiple Rate Data System	H. D. Barker and T. S. Stafford	3,229,259
Multiprocessing Computer System	A. D. Falkoff	3,229,260
Arrays of Magnetic Circuit Elements	J. M. Brownlow and K. R. Grebe	3,229,265
Analog to Digital Time Base Encoder	C. L. Cohen and O. L. Saxild	3,229,272
Method of Making a Magnetic Transducer Head	J. Hluszko	3,229,355
Fluid Memory	R. E. Norwood	3,229,705
Diode Logic Circuitry	W. C. Dersch	3,230,311
Selective Heating Apparatus	R. J. Kawecki	3,230,338
Multi-Level Adder Arrangement	E. G. Wagner	3,230,354
Switching Circuits Employing Esaki Diodes	A. J. Gruodis, L. K. Lange and W. H. McAnney	3,230,387
Drive Circuit Utilizing Solid State Devices	V. C. Martin	3,230,432
Multiple Circuit Data Transmission Control	D. R. Spencer	3,230,509
Tag Addressed Memory	J. J. Lentz and R. R. Seeber, Jr.	3,230,511
Memory System	R. R. Seeber, Jr. and A. J. Sriver, Jr.	3,230,512
Memory Addressing System	T. B. Lewis	3,230,513
External Field Magnetic Head	E. J. Supernowicz	3,230,517
Core Matrix Assembly	O. A. Gutwin and K. R. Grebe	3,230,610
Automatic Recognition of Fingerprints by Sensing the Skin Surface with Electrical Apparatus	W. K. French	3,231,861
Data Processing System with Common Bus Means	C. M. Davis, J. A. deVeer and J. E. MacDonald, Jr.	3,231,725
Memory Bus Control Unit	R. T. Bosk, E. D. Foss, R. E. Merwin and J. H. Pomerene	3,231,862
Memory Bus Control Unit	L. O. Ulfsparr	3,231,863
Magnetic Memory System	A. W. Vinal	3,231,871
Electrical Switching Means	A. W. Vinal	3,231,876