

April through June 1963

Recent IBM Patents

April 1963

Data Translating System	R. H. Larson	3,083,903
Serial Adder and Subtractor	G. M. Berkin	3,083,910
Variable Gain Control	D. D. Willard	3,084,337
Magnetic Core Sequence Checking Apparatus	H. J. Klotz, F. J. Droegge and G. Krysiuk	3,084,856
Method and Apparatus for Verifying Location and Recycling to Correct Errors in Magnetic Data Storage Devices	D. P. Shoultes and D. Royse	3,085,230
Magnetic Storage Devices	R. C. Lamy	3,085,232
Tape Recording System	V. R. Witt	3,085,236
Magnetic Recording Method	R. C. Cowden	3,085,246
Semiconductor Device	R. F. Rutz	3,085,310
Method of Making a Core Plane Assembly	J. D. Leiching	3,085,314
Frame Member	J. M. Adams, J. E. Cummings, W. F. Dalton and F. C. Gaudet	3,085,664
Vacuum Method	I. Ames and R. L. Christensen	3,085,739
Asynchronous Multiplier	C. J. Tilton	3,085,747
Vacuum Evaporation Method	H. L. Caswell	3,085,913
Magnetic Transducer with Shoe-Equipped Floating Head	W. R. MacLay and H. Charnetsky, Jr.	3,086,088
Serial Input Binary Trigger Circuit Having Third Level Input Signals	R. J. Litwiller	3,086,128
Cryogenic Coupling Device	N. H. Meyers, N. Rochester and E. S. Schlig	3,086,130
Cryogenic Memory System	J. L. Anderson	3,086,197
Core Code Translator	L. A. Tate	3,086,198
Keylever Storage Mechanism	L. E. Palmer	3,086,635
Data Processing Machine	T. Einsele	3,086,706
Transistorized Logic Circuit Operative in the Pulse Mode Logic And/Or Gate Having Magnetically Induced Pulses as One Input	W. N. Carroll, R. A. Cooper and R. G. Counihan	3,087,074
Binary Data Transfer Apparatus	C. O. Pingry, III	3,087,076
Ultra Speed Printer	R. D. Buck	3,087,142
Web Guide	L. W. Brehm	3,087,420
Single Pulse Generator Employing Integrator and Logic Gates to Detect and Form Clock Synchronized Output	D. N. Streeter	3,087,664
Intelligence Communication System	D. J. Hinklein and W. N. Carroll	3,088,041
Ring Checking Circuit	H. G. Markey	3,088,069
Electronic Decoder	J. W. Delmege, Jr.	3,088,095
	H. R. Lord	3,088,104

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Device for Measuring Fiber and Coating Height	W. E. Semple	3,088,211
Document Preparation Device	G. F. Daly and F. Saltz	3,088,398
Clipping Level Control Apparatus	C. E. Branscomb and H. F. Martin	3,088,665
Programming Apparatus	H. R. Clarke	3,088,666
Tape Reel	R. S. Perlini	3,088,689
Methods of Etching a Semiconductor Device	J. Leff	3,088,888
Transistor Protective Circuit	E. H. Sommerfield	3,089,036
Impedance Means Including Tunneling Device for Performing Logic Operations	R. F. Rutz	3,089,038
Electrical Circuit Board with Component Standoff	P. R. Schulz	3,089,062
Character Recognition Quantizing Apparatus	R. B. Hennis and R. H. Larson	3,089,123
Automatic Storage Addressing Apparatus	A. C. Reynolds, Jr.	3,089,125
Magnetic Core Switching Circuit	C. B. Smith	3,089,128
Memory Array	J. S. Eggenberger	3,089,222
Arithmetic Element	J. R. Wood	3,089,645
Epitaxial Deposition of Semiconductor Materials	J. C. Marinace	3,089,788
Fabrication of PN Junctions by Deposition Followed by Diffusion	J. C. Marinace	3,089,794
Inverter with Output Clamp and R-C Circuit	G. D. Bruce and R. A. Henle	3,089,964

Slewing Motor Servosystem with Null Sensing Relay Circuit	W. E. Stillings	3,089,988
Superconductor Circuit	A. E. Brennemann and R. T. Tsui	3,090,023
Magnetic Partial Switching Circuits	J. A. Kauffmann	3,090,036
Magnetic Memory	V. T. Shahan	3,090,037
Fluid Displacement Device	G. H. May	3,090,201
Control System	J. W. Raider	3,090,552
Process for Cleaning a Record Carrier	J. W. Wenner and A. G. Wellbrock	3,090,708
Xerographic Process Toner and Method of Producing Same	A. Erchak and J. C. van Dyk	3,090,755
Speech Bandwidth Compression System	W. C. Dersch	3,090,837
Signal Translating Device	H. W. Mathers	3,090,909
Logic System, Using Waves Distinguishable as to Frequency	H. P. Wolff	3,090,923
Sequence Comparing Unit	T. E. Brandenburg	3,090,945
Driving Means for Magnetic Tape	J. P. Harris	3,091,380
Vesicular Image Photography Process with Polyketone Photographic Films	J. D. Michaelson	3,091,532
Method for Improving the Sharp Transition of Super- conductive Films	M. E. Behrndt, G. R. Giedd, M. H. Perkins and D. S. Weed	3,091,556
Error Detection Circuit for Instruction Decoders	R. J. Randles	3,091,752

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Tape Feed Mechanism	G. A. Giannuzzi	3,092,295
Apparatus for Stacking Cut Forms at High Speed	T. H. Anderson and R. H. Harrington	3,092,380
Apparatus for Producing Enlarged Images of Colored Objects	R. B. Johnson	3,092,686
Cathode Ray Tube for Processing Digital Data	E. J. Smura	3,092,746
Data Input Device	G. J. Saxenmeyer	3,092,811
Signal Decoding System	A. S. Hoagland	3,092,814
Magnetic Core Sensing Device	C. G. Hinze	3,092,815
Magnetic Drum Storage Apparatus	J. P. Pawletko	3,092,816
Decoding Device	H. F. Martin, L. C. Tidball and W. A. Goddard	3,092,823
Electro-Optical Bistable Light Switch	S. Triebwasser	3,093,477
Intermetallic Semiconductor Body Formation	V. J. Lyons	3,093,517
Superconductive Circuits Controlled by Superconductive Persistent Current Loops	J. L. Anderson	3,093,748
Traveling Wave Parametric Amplifiers	G. F. Bland	3,093,801
Tag Memory	E. G. Wagner and J. McCarthy	3,093,814
Superconductor Persistent Current Circuits	L. P. Hunter	3,093,816
Domain Rotational Memory System	L. P. Hunter	3,093,818
Positioning Mechanism in Selective Type Printing Machine	P. L. Pecchenino	3,094,064
Tape Carriage Control	T. W. Thompson	3,094,261
Signal Conversion Circuits	W. C. Dersch	3,094,586
Binary Full Adder Utilizing Asymmetric PNP Transistors Operated at Different Saturation Current Levels	S. L. Miller	3,094,613
Full Adder and Subtractor Using NOR Logic	W. W. Boyle	3,094,614
Pulse Counter Using Tunnel Diodes and Having an Energy Storage Device Across the Diodes	E. M. Davis	3,094,631
Non-Destructive Readout System	J. W. Crowe	3,094,685
System for Magnetically Recording Data	E. J. Supernowicz	3,094,699
Stop Mechanism	B. Junge and K. C. Brown	3,094,883