

April and May 1965

Recent IBM Patents

April 1965

Paper Feed Control Apparatus	E. M. Bloom, Jr. and T. L. Schappe	3,176,819
Manganese Copper Ferrite Composition Containing Titanium and Germanium and Method of Preparation	J. M. Brownlow	3,177,145
Automatic Receiver Control of Undetected Error	C. V. Freiman	3,177,351
Data Reduction Systems	A. Hamburg	3,177,352
Multivibrator Utilizing Magnetoresistive Elements	C. Pettus and T. Young	3,177,370
Semiconductor Logic Circuit Comprising Tunnel Diodes and Backward Diodes	A. J. Wolterman	3,177,376
Cross-Field Circuit Breaker for Direct Current Systems	O. M. Baycura	3,177,403
Torsionally Vibrating Delay Line Transducers	N. S. Tzannes and P. E. Bakeman, Jr.	3,177,450
Magnetic Checking Devices	C. E. Ruoff	3,177,468
File Interrogator	E. J. Rabenda and E. E. Marquardt	3,177,471
High Speed Binary Counter	E. G. Wagner	3,177,474
Electromagnetic Transducer Head	D. E. Rutter	3,177,494
Means for Producing Radiation Induced Electroluminescence	M. J. Vogel	3,178,580
Flux Gain Multiaperture-Core Logic Circuit	H. W. Mathers	3,178,581
Multistate Memory Circuit Employing at Least Three Logic Elements	M. F. Heilweil and G. A. Maley	3,178,590
Direct Current Electroluminescent Phosphors	M. J. Vogel	3,178,611
Difference Amplifier with Cross Bias Networks for Independent Current Flow Adjustments	W. T. Harnett	3,178,647
Semiconductor Device Formation	J. B. Gunn	3,178,797
Vapor Deposition Process Wherein the Vapor Contains Both Donor and Acceptor Impurities	J. C. Marinace	3,178,798
Document Transporting Apparatus	W. C. Felts and S. A. Manning	3,179,404
Sheet Handling Apparatus	R. H. Harrington	3,179,406
Vapor Growth with Smooth Surfaces by Introducing Cadmium into the Semiconductor Material	E. M. Hull and V. J. Lyons	3,179,541
Simplified Pushbutton Array with Electrical Interlock	J. D. Bagley	3,179,807
Cryogenic Circuitry	J. J. Lentz	3,179,815
Flexible Multiconductor Transmission Line Utilizing Alternate Conductors as Crosstalk Shields	R. C. Paulsen	3,179,904
Coaxial Line Connector	E. C. Uberbacher	3,179,914
Vitalization Alarm Indication	M. E. Arthur	3,179,921
Photographic Data Storage System	R. Auyang, R. J. Sippel, P. W. Woo and E. J. Wroblewski	3,179,924
Superconductive Circuits	J. L. Anderson	3,179,925
Gated Pulse Amplifier Servomechanism	J. S. Sutton	3,181,046
Core Counter	J. D. Newton	3,181,130

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Semiconductor Device	P. L. Baron, R. W. Hamaker and A. T. Romeo	3,181,979
Utensil for Writing and Simultaneously Recognizing the Written Symbols	E. G. Nassimbene	3,182,291
Paper Forms Cutter Selectively Adjustable to Cut Equal Portions of a Predetermined Length	R. N. Eichorn and C. Holovka, Jr.	3,182,540
Display Apparatus	H. Fleisher, T. J. Harris, E. Shapiro	3,182,574
Bursting Device for Multilayer Webs	J. Sedor and C. F. Strup, Jr.	3,182,876
Sheet Handling Apparatus	D. W. Haney and J. E. Hawxhurst	3,182,993
Vesicular Photographic Film Material and Process for Utilization of Same	A. H. Sporer and C. E. Allman	3,183,091
System for Voice Answer-Back from Data Processor	G. L. Clapper	3,183,303
Hybrid Arithmetic Unit	D. Wortzman	3,183,342
Signal Translating Apparatus	G. D. Brode	3,183,366
Multivibrator Circuit with Input Signal Synchronized Means	B. J. Ross	3,183,368
Transistor Logic Circuits Operable Through Feedback Circuitry in Nonsaturating Manner	K. M. Trampel	3,183,370
Nonsaturating Transistor Trigger Circuits	K. M. Trampel	3,183,371

Control and Synchronizing Circuit for a Wave Generator . . .	P. H. Chin	3,183,372
Magnetic Multipositioning Actuators	J. Flora	3,183,410
Positioning Servosystems	C. E. Westenskow	3,183,420
Inverter Controlled Power Supply	O. M. Baycura and P. Essinger	3,183,429
Serial by Bit, Serial by Character, Data Comparing Apparatus .	R. A. Christiansen, N. S. Stockdale and H. J. Tashjian	3,183,484
Core Memory Addressing System	F. B. Jones	3,183,486
Data Transfer Device	G. J. Lauerer and C. D. Southard	3,183,489
Rectangular Array Cryogenic Storage Circuits Using Inhibitor Logic	R. E. Miller	3,183,491
Magnetic Devices	A. W. Vinal	3,183,493
Data Recording Apparatus	D. D. Sliter	3,183,516
Record Perforating Apparatus	W. F. Henry, H. C. Scheer and H. P. Wicklund	3,183,518
Manufacturing Magnetic Storage Matrices	J. Riseman, J. G. Christ and R. F. Sankuer	3,183,567
Method of Making Transistor Structures	F. H. Dill	3,183,576
Superconductive Solder	A. W. Grobin, Jr.	3,184,303
Method for Controlling Doping in Vapor-Grown Semi- conductor Bodies	J. C. Marinace	3,184,348
Fluorocarbon Compound Used in Masking of Epitaxial Growth of Semiconductors by Vapor Deposition	J. C. Marinace	3,184,350
Visual Display Device for Presentation of Continuous Video Data	F. J. Thomas	3,184,539
Logic Performing Device	L. Hellerman	3,184,603
Chargistor Switching Circuit	M. J. Haims	3,184,613
Double-Acting Electro-Magnetic Actuator	C. A. Albosta	3,184,651
Thin-Film Circuit Arrangement	R. L. Garwin	3,184,674
Waveform Generators	H. L. Funk and L. Skarshinski	3,184,685
Recognition Apparatus	W. K. Taylor	3,184,711
Switching Circuit for Monitoring Signals on a Plurality of Parallel Signal Lines	P. E. Stuckert	3,184,715
Associative Memory Low Temperature Fast Read Circuit . .	F. A. Behnke	3,184,717
Molded Core Plane	N. K. Perkins	3,184,719
Selective Data Transfer System	R. D. Buck	3,184,741
Method of Coating Finely Divided Metal Particles	E. P. Damm, Jr.	3,185,589
Machine for Preparing Accounting Instruments	F. J. Furman and V. R. Simpson	3,185,818
Binary Adder	C. M. Davis	3,185,822
Data Compactor	F. W. Ellersick, Jr. and W. R. Peavy	3,185,823
Adaptive Data Compactor	H. Blasbalg and R. Van Blerkom	3,185,824
Method and Apparatus for Translating Decimal Numbers to Equivalent Binary Numbers	W. L. McDonald and R. H. Thurmond	3,185,825
Core Adder	C. A. Andrews	3,185,826
Photosensitive Two State Circuits and Systems	R. H. Terlet	3,185,850
Regenerative Amplifier	G. L. Clapper	3,185,861
Cryotron Shift Register	J. P. Beesley	3,185,862
Parametric Device for Increasing Frequency and/or Power .	J. B. Gunn	3,185,914
Data Editing System	R. L. Bennett and F. O. Underwood	3,185,966
Two Dimensional Selection System for Read Only Memory .	H. R. Foglia	3,185,967
Core-Transistor Logical Device	W. E. Burns	3,185,969
Transducer Positioning System Utilizing Record with Interspersed Data and Positioning Information	R. J. Sippel	3,185,972