

Recent IBM Patents

June 1965

Matrix Positioning Device	P. Betts	3,186,317
System for Analyzing the Spatial Distribution of a Function	W. K. Taylor	3,187,304
Character Recognition Systems	F. C. Chiang	3,187,305
Computer Memory	P. D. Dodd and G. L. Owens	3,187,309
High Speed Spark Discharge Print Device	B. J. Greenblott and R. J. Hart	3,187,669
Electro-Fluid Apparatus	R. E. Norwood	3,187,762
Voice Inflection Detection Circuit	G. L. Clapper	3,188,388
Integrating Means	J. R. Quick, Sr.	3,188,455
Photosensitive Electro-Optical Calculating Machine	T. I. Ress	3,188,474
Multiperture-Core Logic Circuit	R. Betts	3,188,480
Clamp Level Control Circuit	R. J. Bymers	3,188,492
Read-Out Driver and Level Setter Circuit	M. P. Xylander	3,188,494
Protective Circuit for a Transistor Gate	M. P. Xylander	3,188,499
Electrical Circuit Modular Assembly	C. R. Yungkurth	3,188,523
Saturable Reactor Voltage Regulator with Series Connected Main and Control Inductance Windings	P. Essinger	3,188,555
Electrostatic Printer Apparatus	M. Preisinger and W. Scheerer	3,188,649
Opto-Electrical Scanning System for Gray Level Detection	K. M. Trampel and H. H. Jensen	3,188,907
Hammer Control Mechanism for Record Marking Machine	G. H. Schacht	3,188,946
Keyboard	C. P. Barnard and D. H. Heiser	3,189,153
D. C. Power Distribution System	E. J. Rymaszewski, J. Riseman and L. A. Harlow	3,189,847
Data Handling Mechanism	W. F. Beausoleil and D. J. Galage	3,189,872
Transformer-Coupled Bistable Semiconductor Device Memory	W. D. Pricer and H. P. Wolff	3,189,876
Electronic Memory without Compensated Read Signal	W. D. Pricer and H. P. Wolff	3,189,877
Negative Resistance Memory Circuit	W. D. Pricer	3,189,878
Vapor Deposition Process to Form a Retrograde Impurity Distribution P-N Junction Formation Wherein the Vapor Contains Both Donor and Acceptor Impurities	R. L. Anderson, J. C. Marinace and M. J. O. Ingham	3,190,773
Process for Making Capacitors and Capacitive Circuit Elements	L. I. Maissel, N. W. Silcox, and C. L. Standley	3,190,819
Memory Readout and Summing System	H. Fleisher and R. I. Roth	3,191,012
Mixed Code Calculator	R. I. Roth and H. Fleisher	3,191,014
Photoconductive Matrix Switching Plugboard	A. J. Critchlow	3,191,040
Coplanar Thin Magnetic Film Shift Register	W. Ghisler and S. Middelhoeck	3,191,054
Superconductive Transmission Line	J. C. Swihart and D. R. Young	3,191,055
Superconductive Transmission Line Circuits	J. L. Anderson	3,191,056
D. C. Transformer for Superconductive Circuitry	R. A. Connell and D. J. Quinn, III	3,191,136
Specimen Identification Apparatus with Means for Altering Stored Specimen Reference Functions	M. C. Andrews	3,191,149
Specimen Identification System with Adaptive and Non- Adaptive Storage Comparators	M. C. Andrews	3,191,150
Logical Circuits and Memory	R. R. Seeber, Jr. and A. J. Scriver, Jr.	3,191,155
Random Memory with Ordered Read Out	R. I. Roth	3,191,156
Superconductor Circuit	D. R. Young	3,191,159
Magnetic Memory Noise Reduction System	D. J. Crawford	3,191,163
Method of Forming and Pulling Contact Terminals into an Electrical Receptacle	A. H. Johnson	3,191,271
Two Dimensional Bandwidth Reduction Apparatus for Raster Scanning Systems	W. R. Remley	3,192,315
Electronic Lip Reader	E. G. Nassimbene	3,192,321
Binary Multiplier for Skipping a String of Zeros or Ones	O. L. Mac Sorley	3,192,363
Binary Divider	O. L. Mac Sorley	3,192,364
High Speed Binary Divider	J. R. Stewart	3,192,365
Bistable Circuit Having an Adjustable Phase Shifter Responsive to Output Signal	A. H. Nethercot, Jr.	3,192,397
Gated Variable Frequency Oscillator	P. I. Prentky and H. Zibkoff	3,192,477
Frequency Flip-Flop	W. N. Carroll	3,192,484
Gated Diode Selection Drive System	R. J. Flaherty	3,192,510
Magnetic Information Recording and Reproduction Without Precise Synchronization Requirements	C. O. Pingry, III	3,192,515

Printer Control System	V. C. Martin	3,192,854
Analogue to Binary Conversion Apparatus	G. L. Clapper	3,193,668
Driver Circuit	I. G. Akmenkalns	3,193,691
Pulse Generating Circuit	D. R. Daykin	3,193,693
Bistable Biasing of Tunnel Diodes	W. G. Crouse	3,193,703
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Gain Control Means	C. A. Bogdan, Jr. and F. C. Fitzgerald	3,193,759
Frequency Selective Amplifier	G. L. Clapper	3,193,774
Method and Apparatus for Verifying Location and Controls in Magnetic Storage Devices	D. P. Shoultes	3,193,800
Electrical Sampling Switch	A. W. Vinal	3,193,807
Magnetic Transducing Apparatus	L. A. Knox	3,193,821
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Reflex Copying Method	R. J. Lahr	3,194,660
High Speed Logic Circuits	E. J. Rymaszewski	3,194,974
Regulated Power Supply	E. R. McNulty and E. A. Menard	3,195,036
Associative Memory Match Indicator Control	F. A. Behnke	3,195,109
Data Storage Timing System	H. K. St. Clair	3,195,118
Method of Influencing Minority Carrier Lifetime in the Semi- conductor Body of a <i>PV</i> Junction Device	W. H. Miller, A. J. Rideout and T. K. Worthington	3,195,218
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Method of Automatically Etching an Esaki Diode	E. M. Davis, Jr.	3,196,094
Local Amplitude Detector	L. P. Horwitz, J. Reines and G. L. Shelton, Jr.	3,196,212
Keyboard Having a Stretchable Sinuous Contacting Member	B. G. Gardiner, Jr.	3,196,219
Counter Step Checking	L. E. Belcastro	3,196,258
Adder	J. M. Pugmire	3,196,260
Superconductive Circuits	E. S. Schlig	3,196,281
Thin-Cryotron with Critical Gate Thickness	W. B. Ittner, III	3,196,282
Logical Signal Processing Apparatus	L. P. Hunter	3,196,284
Signal-Selective Bistable Semiconductor Latch	A. J. Wolterman	3,196,287
High Density Electronic Package	W. J. Richardson	3,196,318
Multilevel Vestigial Sideband Suppressed Carrier Data Transmission System	E. Hopner, D. L. Critchlow and R. H. Dennard	3,196,352
Variable Pattern Pulse Generator	J. D. Bagley	3,196,358
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Specimen Identification Utilizing Autocorrelation Functions	L. P. Horwitz and G. L. Shelton, Jr.	3,196,392
Specimen Identification Techniques Employing Non-Linear Functions of Autocorrelation Functions	L. P. Horwitz and G. L. Shelton, Jr.	3,196,394
Character Recognition Systems Employing Autocorrelation Specimen Identification Techniques Employing Binary Non- Linear Functions of Autocorrelation Functions	M. B. Clowes and J. R. Parks	3,196,395
Specimen Identification Techniques Employing <i>N</i> th-Order Autocorrelation Functions	J. Reines, L. P. Horwitz and G. L. Shelton, Jr.	3,196,396
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Variable Capacitance Information Storage System	R. J. Furlong and J. D. Calvert	3,196,404
Superconductive Storage Circuits	J. B. Gunn	3,196,405
Quantized Flux Cryogenic Device	A. E. Brennemann and N. H. Meyers	3,196,408
Quantized Flux Cryogenic Device	L. P. Horwitz	3,196,411
Non-Destructive Magnetic Memory	R. A. Connell, L. P. Horwitz, D. J. Quinn and D. P. Seraphim	3,196,412
Machine Control Devices	M. Teig	3,196,413
Real Time Control System for Processing Main and Incremental Quantities	R. Seibel	3,197,010
Electronic Data Processing Machine	R. J. Urquhart	3,197,621
Electro-Optical Plane Aligning Apparatus	J. A. Haddad, R. K. Richards, N. Rochester and H. D. Ross, Jr.	3,197,624
Random or Associative Access Memory	J. Morris	3,197,643
Pattern Recognition System	J. L. Anderson	3,197,653
Data Processing System	R. A. Leightner and E. N. Schroeder	3,197,736
Magnetic Recording System	E. J. Raser and W. H. Thomas	3,197,738
Data Storage and Processing Machine	E. G. Newman	3,197,739
Magnetic Field Sensing Apparatus	J. M. Terlato and B. M. Updike	3,197,740
Analog-to-Digital Converter Utilizing Electrostatic Means	G. E. Dailey	3,197,748
	M. E. Arthur and F. F. Myers	3,197,761