

Patents Recently Issued to IBM Inventors

April 1970

3,504,824	Random Access Strip Storage System.....	C. H. Kalthoff and L. S. Rigbey
3,505,025	Jacketed, Cooled Crucible for Crystallizing Material.....	R. G. Dessauer
3,505,106	Method of Forming a Glass Film on an Object and the Product Produced Thereby.....	W. A. Pliskin and E. E. Conrad
3,505,135	Steady State Copper Etching System with Ammonium Persulfate.....	R. T. Lindstrom
3,505,196	Reference Electrode.....	H. Dahms
3,505,470	Process and Device for Coding and Decoding Digital Signals via Phase Modulation.....	E. P. Gorog
3,505,500	Deposited Actuator Perforated Media Reader.....	W. D. Thorne
3,505,509	Graphic Scanning System.....	W. H. Sass
3,505,511	Increment-decrement Register for Modifying a Binary Number.....	F. J. Campano and W. J. Spencer
3,505,535	Digital Circuit with Anti-saturation Collector Load Network.....	J. R. Cavaliere
3,505,539	Low Noise Gated DC Amplifier.....	P. Pleshko
3,505,573	Low Standby Power Memory Cell.....	S. K. Wiedmann
3,505,598	Pulse Measuring System.....	J. F. Merrill
3,505,648	Arithmetic and Logic System Using AC and DC Signals.....	W. McGovern, D. A. Petersen and R. D. Ross
3,505,655	Digital Storage System Operation in the Magnitude-Time Domain.....	W. Nystrom
3,505,658	Beam Addressable Memory System.....	G. J. Fan and C. D. Mee
3,505,666	Tracking Light Pen.....	R. A. Thorpe
3,505,668	Bipolar Analog to Digital Converter.....	H. Ottesen
3,505,950	Incrementing Drive for Rotary Print Wheel in On-the-fly Printers.....	L. R. Harper
3,506,506	Capacitor Defect Isolation.....	W. B. Pennebaker, Jr.
3,506,545	Method for Plating Conductive Patterns with High Resolution.....	R. L. Garwin and A. S. Nowick
3,506,547	Nickel-Iron Electrolytes Containing Hydrolyzing Metal Ions and Process of Electro-depositing Ferromagnetic Films.....	A. Ambrosia and H. Dahms
3,506,807	Scan Centering Device.....	D. L. Malaby
3,506,880	Semiconductor Device.....	R. P. Pecoraro and J. L. Langdon
3,506,893	Integrated Circuits with Surface Barrier Diodes.....	V. A. Dhaka
3,506,923	Binary Data Detection System.....	L. E. Ambrico and B. C. Fiorino
3,506,963	Character Recognition System.....	D. E. Kohler and W. H. Hardin
3,506,969	Balanced Capacitor Read Only Storage Using a Single Balance Line for the Two Drive Lines and Slotted Capacitive Plates to Increase Fringing.....	S. A. Abbas
3,506,972	Ferrite Core Assembly for Magnetic Storage Devices.....	W. L. Shevel, Jr., O. A. Gutwin and K. R. Grebe
3,507,036	Test Sites for Monolithic Circuits.....	I. Antipov
3,507,248	Vacuum Evaporation Coating Apparatus Including Means for Precleaning Substrates by Ion Bombardment.....	G. Seeley, P. A. Totta and G. Wald
3,507,378	Keyboard for Displaying One of a Plurality of Symbolic Sets Stored Therein.....	P. E. Stuckert
3,507,430	Ceramic Substrate Snapping Tool.....	D. W. Skinner and S. J. Skocz, Jr.
3,507,550	Apparatus for Applying a Potential Difference Across a Load.....	T. J. Harris, W. W. Kulcke and E. Max
3,508,032	Printer Having Combined Data Input and Automatic Document Feed Mechanism.....	D. L. MacDuffee and J. R. Stewart
3,508,038	Multiplying Apparatus for Performing Division Using Successive Approximate Reciprocals of a Divisor.....	R. E. Goldschmidt and D. M. Powers
3,508,111	Light Emitting Semiconductor Device with Light Emission from Selected Portion(s) of P-N Junction.....	L. A. Davidson and J. P. Wasula
3,508,117	Circuit Assembly.....	D. E. Cuzner
3,508,118	Circuit Structure.....	S. Merrin, M. D. Silver and E. M. Suden
3,508,158	Information Detector Employing a Greatest-of Detector.....	J. F. Marchese
3,508,194	Error Detection and Correction System.....	D. T. Brown
3,508,195	Error Detection and Correction Means.....	F. F. Sellers, Jr.
3,508,196	Error Detection and Correction Features.....	F. F. Sellers, Jr. and D. T. Brown
3,508,204	Recirculating Data Storage System.....	A. Cutaia
3,508,209	Monolithic Integrated Memory Array Structure Including Fabrication and Package Therefor.....	B. Agusta, P. H. Bardell, P. P. Castrucci, R. A. Henle and R. P. Pecoraro
3,508,218	2½ D Memory.....	J. W. Sumilas
3,508,219	Thin Film Memory Keeper.....	J. M. Brownlow and K. R. Grebe

3,508,591	Control System for Solids Slicing.....	<i>R. L. Johnson and E. L. Ralston</i>
3,508,637	Dual Speed Stepper Carriage.....	<i>R. C. Hull and E. T. Kozol</i>
3,508,654	Particle Separation Apparatus.....	<i>H. H. Glattli</i>
3,508,655	Cell Extraction and Collection Apparatus.....	<i>L. A. Kametsky</i>
3,508,707	Check Digit Verifier.....	<i>W. M. Davis</i>
3,509,281	Voice Detection System.....	<i>J. H. King, Jr.</i>
3,509,326	Closed Loop Control System with Adaptive Filter.....	<i>D. C. Union</i>
3,509,331	Serial-by-digit Recirculating Accumulating Register.....	<i>A. Cutaia</i>
3,509,350	Light Pen Detection Verification Display System.....	<i>R. J. Gundrum</i>
3,509,351	Laser Controlled High Speed Pulse Generator.....	<i>P. E. Stuckert</i>
3,509,363	Logic Switch with Active Feedback Network.....	<i>T. S. Jen and L. Weiss</i>
3,509,364	Video Amplifier Particularly Adapted for Integrated Circuit Fabrication.....	<i>F. Buckley</i>
3,509,366	Data Polarity Latching System.....	<i>L. D. Howe, Jr. and J. T. Moyer</i>
3,509,369	Absolute Value Function Generator.....	<i>W. G. Crouse and W. S. Duspiva</i>
3,509,377	Low Noise Power Switching Circuits.....	<i>M. J. Clark and J. G. Simek</i>
3,509,380	High Speed Latch Circuit Arrangement for Driving a Utilization Device.....	<i>J. B. Gillett and M. H. Hallett</i>
3,509,384	Bistable Devices.....	<i>A. B. Fowler and G. J. Lasher</i>
3,509,415	Format Scheme for Vidicon Scanners.....	<i>M. R. Bartz</i>
3,509,429	Heat Sink Assembly for Semiconductor Devices.....	<i>R. M. Craig, J. W. Crowe and E. L. Wilkie</i>
3,509,474	Absolute Value Function Generator.....	<i>R. W. Arnold and J. C. Greeson, Jr.</i>
3,509,488	Multi-Path Conjugate Laser.....	<i>R. A. Myers and C. G. Powell</i>
3,509,489	Laser Deflection.....	<i>G. Burns and A. W. Smith</i>
3,509,490	Inductive Excitation System for Plasma.....	<i>C. B. Zarowin</i>
3,509,513	Cables Connecting Assembly.....	<i>A. Russin</i>
3,509,525	Traffic Pacing System.....	<i>W. J. Levine and P. P. Palermo</i>