

Patents Recently Issued to IBM Inventors

September and October 1970

September 1970

3,526,759	Parallel Binary to Parallel Binary Coded Decimal Converter.....	G. L. Clapper
3,526,876	Character Separation Apparatus for Character Recognition Machines.....	R. J. Baumgartner and M. F. Bond
3,526,881	Magnetic Information Storage and Readout Apparatus.....	J. R. Morrison, J. S. Judge and D. E. Speliotis
3,526,884	Dustproof Magnetic Disc Housing.....	W. S. Buslik and M. E. Freeman
3,526,899	Magneto-acoustic Transducer for High Track Density Recording.....	D. E. Speliotis, J. R. Morrison and J. S. Judge
3,526,949	Fly's Eye Molding Technique.....	F. C. Genovese
3,527,204	Pressure Cuff System.....	D. J. Lem and H. D. Steinbeck
3,527,312	Tone Actuated Dictation Systems.....	T. E. Dooley
3,527,520	Laser Rotary Scanner.....	T. J. Harris
3,527,577	Magneto-optical Materials.....	G. J. Fan, T. R. McGuire, M. W. Shafer and B. E. Argyle
3,527,681	Copper Plating Bath and a Method for Depositing Thick Copper Films Therefrom.....	J. M. Brownlow
3,527,930	High Speed Division System.....	J. Cocke, C. V. Freiman and M. E. Homan
3,527,956	Switch Arrangement.....	M. Krakinowski
3,527,989	Circuit Assembly.....	D. E. Cuzner and P. J. Mulholland
3,528,036	FM Modulator for Video Recording.....	J. G. Belleson
3,528,048	Method of Constructing Printed Circuits for Subsequent Completion or Deletion.....	J. P. Kirk
3,528,058	Character Recognition System.....	M. F. Bond
3,528,061	Interlock Arrangement.....	F. W. Zurcher
3,528,062	Program Interlock Arrangement, Including Task Suspension and New Task Assignment.....	M. M. Lehman, J. L. Rosenfeld and H. P. Schlaeppli
3,528,063	Recording and Reproducing Apparatus with Facilities for Locating Information in Record Media.....	R. A. Kolpek
3,528,160	Apparatus and Process for Handling Needle-like Objects.....	J. R. Wadleigh
3,528,309	Mechanical Drive.....	R. J. Laybourn
3,528,536	Ribbon Feed Mechanism for a Single Pass Ribbon.....	A. H. Caudill, W. Goff, Jr. and L. E. Palmer
3,529,080	Color Video Record and Playback System.....	E. G. Nassimbene
3,529,177	Signal Integrator and Charge Transfer Circuit.....	J. P. Pawletko
3,529,222	Constant Input Impedance Power Supply Circuit.....	R. E. Gaitten and H. W. Simpson
3,529,298	Graphical Design of Textiles.....	J. R. Lourie
3,529,341	Apparatus for Wiring Personalized Core Storage Arrays.....	G. B. Bardo
3,529,546	Printing Substance Control.....	E. P. Kollar
3,529,703	Closed Loop Spring Clutch.....	E. B. Kroeker
3,530,055	Formation of Layers of Solids on Substrates.....	L. I. Maissel and P. M. Schaible
3,530,229	Transmission Line Cable or the Like and Terminal Connection Therefor....	P. J. Burke
3,530,231	Bonding High Density Interconnection Lines.....	R. F. Penoyer
3,530,308	Signal Attenuating Circuit Using Transistor with Direct Current Isolated Collector and Nonlinear Base Input Compensation.....	J. P. Pawletko
3,530,376	Apparatus for Axially Aligning and Precisely Fixing the Position of Light Bulbs Having Tapered Envelopes.....	J. T. Gulliksen
3,530,448	Data Reading, Recording, and Positioning System.....	D. E. Clancy, G. W. Hobgood, Jr. and F. T. May
3,530,699	Method of Improving Thermoformed Components.....	E. C. Uberbacher
3,530,871	Fluidic Heat Sensitive Device and System.....	B. J. Greenblott
3,531,035	Path-modifying Apparatus for Continuously Moving Web.....	K. B. Maynard and R. C. Miller
3,531,106	Floating Throat Knife.....	C. A. Larson and R. J. Ullmer
3,531,180	Dispersion Compensated Display System.....	H. Fleisher, T. J. Harris and E. Max
3,531,196	Optical Registration of an Object with Reference to a Coordinate System....	K. M. Ksanke, W. W. Kulcke and E. Max
3,531,631	Parity Checking System.....	G. S. Burgess
3,531,778	Data Storage Devices Using Cross-coupled Plural Emitter Transistors.....	P. A. Gardner and M. H. Hallett

- 3,532,033 Electro-optic Light Beam Control for Displaying and Printing.....
 3,532,038 Multi-lens Devices for the Fabrication of Semiconductor Devices.....
 3,532,286 Positive Seating Reel Latching Apparatus.....
 3,532,338 Document Handling Device.....
 3,532,412 Package for and Method of Packaging Pathology Specimens.....
 3,532,431 Shearing Interferometry by Means of Holography.....
 3,532,541 Boron Containing Composite Metallic Films and Plating Baths for Their Electroless Deposition.....
 3,532,615 Rf Cathode Sputtering Method.....
 3,532,837 Headset Featuring Collapsibility for Storage.....
 3,532,855 Power Regulating Circuit for Xerographic Fusing Apparatus.....
 3,532,862 Method for Adjusting Controller Gain to a Control a Process.....
 3,532,899 Field-effect, Electronic Switch.....
 3,532,905 Detection System for Analog Pulses.....
 3,532,909 Transistor Logic Scheme with Current Logic Levels Adapted for Monolithic Fabrication.....
 3,532,916 Synchronous Rotating Machines Having Non-magnetic Tubular Armatures...
 3,532,923 Pyrolytic Graphite Support for Lanthanum Hexaboride Cathode Emitter....
 3,532,970 Testing Magnetic Cores for Delta Noise Quality.....
 3,532,999 Reference Clock Generator Having Unequal Adjacent Period Intervals.....
 3,533,007 Difference Amplifier with Darlington Input Stages.....
 3,533,009 Dual Servo Loop Oscillator Frequency Synchronizing Circuitry.....
 3,533,021 Sonic Delay Line.....
 3,533,044 Electrical Connecting Device.....
 3,533,058 Edge Curl Control for a Flat Vacuum Head.....
 3,533,065 Data Processing System Execution Retry Control.....
 3,533,069 Character Recognition by Context.....
 3,533,072 Adaptive Logic System Utilizing Modification of Output Feedback in Conditioning Control Loop.....
 3,533,075 Dynamic Address Translation Unit with Look-ahead.....
 3,533,077 Address Modification.....
 3,533,082 Instruction Retry Apparatus Including Means for Restoring the Original Contents of Altered Source Operands.....
 3,533,085 Associative Memory with High, Low and Equal Search.....
 3,533,104 Head-up Display System.....
 3,533,682 Very High Capacity Optical Memory System.....
 3,534,264 Adaptive Digital Communication System.....
 3,534,272 Filter System.....
 3,534,334 Automatic Control of a Threshold in the Digitization of an Analog Signal....
 3,534,344 Method and Apparatus for Recording and Detecting Information.....
 3,534,359 Optical Pointer for Display System.....
 3,534,380 Oscillograph Recording Apparatus and Method.....
 3,534,400 Parameter Identification Method for Process Control Systems.....
 3,534,470 Process for Assembling Magnetic Tape Heads Using a Consumable Fixture..
 3,535,137 Method of Fabricating Etch Resistant Masks.....
 3,535,496 Adaptive Control System.....
 3,535,502 Multiple Input Binary Adder.....
 3,535,558 Current or Voltage Source.....
 3,535,622 Magnetic Tape Tester Utilizing a Detector Head dc Biased to Oppose the Test Magnetization on the Tape.....
 3,535,653 Multiple Loop Excitation System for Plasma.....
 3,535,654 Solid State Oscillator Having Large Microwave Output.....
 3,535,694 Information Transposing System.....
 3,535,699 Complementary Transistor Memory Cell Using Leakage Current to Sustain Quiescent Condition.....
 3,535,766 Machine Assembly Method.....
 3,535,908 Injection Molding of Solid Metal.....
 3,536,484 Small Molecule Heterocyclic Photoconductors and Their Use in Electrophotography.....
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L. Hymes
L. Hymes and D. L. Mehl
B. F. Dowden and M. D. Shattuck

3,536,855	Magnetic Information Transfer Apparatus.....	<i>C. L. Gardner, Jr., W. F. Klein and W. R. Yount</i>
3,536,950	Calibration Error Detection and Correction in a Document Reading System...	<i>D. L. Johnston, G. F. Hoffmann and P. E. Nelson</i>
3,537,063	Circuit Card Connector.....	<i>P. E. Beaulieu</i>
3,537,070	Apparatus for Pattern Recognition.....	<i>K. Malek</i>
3,537,076	Automatic Hyphenation Scheme.....	<i>F. J. Damerau</i>
3,537,078	Memory Cell with a Non-linear Collector Load.....	<i>J. N. Pomeranz</i>