

Patents Recently Issued to IBM Inventors

June and July 1969

June 1969

3,447,743	Record Entry Positioner.....	<i>T. A. Hoskins and W. F. Klein</i>
3,447,984	Method for Forming Sharply Defined Apertures in an Insulating Layer.....	<i>P. P. Castrucci and S. S. Im</i>
3,448,208	Synthetic Three-D Display.....	<i>T. C. Chisnell and R. E. Winter</i>
3,448,271	Object Tracking and Imaging System Having Error Signal Duration Proportional to Off-center Distance.....	<i>D. H. Aldrich, R. F. Bombard, D. C. Gibbs and R. J. Orrange</i>
3,448,275	Electro-optical Scanner with a Photocell and a Blocking Diode in Series.....	<i>R. E. Hall</i>
3,448,282	Optical And Gate.....	<i>H. Fleisher and T. J. Harris</i>
3,448,292	Wideband AGC Circuit.....	<i>F. E. Mueller</i>
3,449,039	Non-parallel-surfaced Light-deflector Selector.....	<i>H. S. Hoffman, Jr.</i>
3,449,049	High Resolution Multiple Image Camera and Method of Fabricating Integrated Circuit Masks.....	<i>W. E. Harding, J. A. Perri, J. Riseman and W. S. Ruder</i>
3,449,576	Compensated Path Length Polarized Light Deflector Selector.....	<i>H. S. Hoffman, Jr. and J. Lipp</i>
3,449,639	Actuator Driver Circuit.....	<i>E. A. Brown and R. H. Darling</i>
3,449,718	Error Correction by Assumption of Erroneous Bit Position.....	<i>P. W. Woo</i>
3,449,723	Control System for Interleave Memory.....	<i>D. W. Anderson, J. V. Mizzi and F. J. Sparacio</i>
3,449,724	Control System for Interleave Memory.....	<i>L. J. Boland, J. V. Mizzi and J. W. Smith</i>
3,449,727	Transistor Latch Memory Driven by Coincidentally Applied Oppositely Directed Pulses.....	<i>W. D. Pricer</i>
3,449,728	Feedback Current Switch Memory Element.....	<i>R. A. Henle and W. D. Pricer</i>
3,449,756	Gap-length-limited Saturation Depth Recording.....	<i>R. A. Barbeau, R. C. Bradford, N. R. Fraim and D. E. Lockett</i>
3,450,131	Blood Pressure Measuring System with Korotkoff Sound Detector.....	<i>J. R. Vogt</i>
3,450,419	Continuous Card Form.....	<i>R. N. Eichorn</i>
3,450,553	Pressure Sensitive Record Material.....	<i>J. M. Billet, M. T. Orinik and J. O. Thompson</i>
3,450,838	Device Modifying Pitch Frequency and/or Articulation Speed for Natural Speech.....	<i>K. Bandat and E. Rothauser</i>
3,450,840	Multiplex Data Transmission System Using Orthogonal Transmission Waveforms.....	<i>E. Vogt</i>
3,450,960	Insulated-gate Field Effect Transistor with Nonplanar Gate Electrode Structure for Optimizing Transconductance.....	<i>L. L. Chang and L. Esaki</i>
3,450,989	Frequency Analyzer for Detection of Energy Peaks.....	<i>W. E. Dickinson</i>
3,451,012	Distortion Free Frequency Shift Keying Modulator.....	<i>H. Spiro</i>
3,451,047	Eccentric Magnetic Core.....	<i>O. A. Gutwin</i>
3,451,048	Drive System for a Magnetic Core Array.....	<i>G. K. Strehl</i>
3,451,056	Movable Indicator Display Unit.....	<i>F. R. Anderholm and F. A. Goplen</i>
3,451,128	Method of Making Fine Line Patterns Using a Ferromagnetic Element.....	<i>L. J. Reed and J. R. Morrison</i>
3,451,297	Shearing Device.....	<i>J. W. Reis and J. M. Adams</i>
3,451,311	Incremental Motion Actuator.....	<i>H. A. Khoury</i>
3,451,335	Printer Platen Control System.....	<i>J. M. Cunningham</i>
3,451,520	Ribbon Level Shift with Print Velocity Selection.....	<i>D. L. Greer, J. B. O'Daniel and K. Yosmali</i>
3,451,845	Method for Producing Thin Films of Rare Earth Chalcogenides.....	<i>C. Schueler</i>
3,451,864	Method of Growing Doped Semiconductor Material from a Source which Includes an Unstable Isotope which Decays to a Dopant Element.....	<i>S. Krongelb</i>
3,451,866	Semiconductor Device.....	<i>W. E. Mutter</i>
3,451,912	Schottky-barrier Diode Formed by Sputter-deposition Process.....	<i>F. M. d'Heurle, L. Esaki and H. Seki</i>
3,452,151	Protection from Signal Flutter on Turn-off.....	<i>W. P. Harbour, Jr. and J. F. Horlander</i>
3,452,185	Driver Circuit with Feedback Control to Maintain Constant Voltage at a Common Electric Contact Member.....	<i>C. C. Hanson</i>
3,452,205	Defect Detecting Scanner with Output Analyzed in the Frequency Domain...	<i>R. Bogholtz and H. Dym</i>
3,452,212	Microwave Logic System.....	<i>R. L. Gamblin</i>
3,452,213	Microwave Logic Circuit.....	<i>R. L. Gamblin, P. A. Lord, M. P. Marcus and C. J. Tunis</i>
3,452,217	Compensating Reset Circuit.....	<i>J. C. Greeson, Jr. and J. J. Kennedy</i>
3,452,221	Electrical Shock Wave (Gunn Effect) Logical Apparatus.....	<i>J. B. Gunn</i>
3,452,291	Differential Amplifier.....	<i>R. Luescher and D. Seitzer</i>

3,452,292	Variable Gain Differential Direct Current Amplifier.....	<i>J. J. Kennedy</i>
3,452,328	Error Correction Device for Parallel Data Transmission System.....	<i>M. Y. Hsiao and K. Y. Sih</i>
3,452,332	Memory Device and Method of Information Handling Utilizing Charge Transfer between Rare Earth Ions.....	<i>W. E. Bron and W. R. Heller</i>
3,452,334	Magnetic Film Memories with an Intermediate Conductive Element as a Drive Line Return Path.....	<i>O. Voegeli</i>
3,452,338	Magnetic Film Memory with Dispersion Locking.....	<i>W. T. Siegle</i>
3,452,340	Microwave Absorption Memory System.....	<i>R. L. Gamblin and P. A. Lord</i>

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3,452,431	Pulse Transformer Fabrication.....	<i>H. K. Hazel</i>
3,452,983	Stacking Device.....	<i>K. A. Cook and H. R. Wood</i>
3,453,384	Display System with Increased Manual Input Data Rate.....	<i>E. O. Donner, H. S. Keeler, J. L. Botjer and H. E. Frye</i>
3,453,387	Data Transmission System Having Delay Line Buffer Storage.....	<i>J. D. Bagley</i>
3,453,567	Data Storage Module Selector Assembly.....	<i>J. B. Sampson and J. J. Woo</i>
3,453,595	Optic-to-acoustic Converter for Pattern Recognition.....	<i>E. S. Barrekette, C. V. Freiman, D. C. Gazis and J. E. Lovell</i>
3,453,597	Multi-station Digital Communication System with Each Station Address of Specific Length and Combination of Bits.....	<i>J. H. Pomerene</i>
3,453,600	Program Suspension System.....	<i>M. A. Krygowski and T. S. Stafford</i>
3,453,646	Magnetic Information Storage Utilizing an Environmental Force- dependent Coercivity Transition Point of Ferrous Ferrite.....	<i>J. K. Alstad, D. E. Speliotis, J. R. Morrison and G. Bate</i>
3,453,681	Cleaning Apparatus.....	<i>G. L. Wiederhold</i>
3,453,714	Vacuum Operated Chip Placement Head.....	<i>K. Clark, T. J. Rajac, G. R. Santillo, Jr. and W. J. Schuelke</i>
3,453,727	Fabrication of Resistors.....	<i>T. R. Touw, C. B. Swaney and B. C. Atwood</i>
3,453,781	Tailoring Microminiature Components.....	<i>J. M. Greenman</i>
3,454,775	Information Decoding Apparatus Employing a Frequency Sensitive Light Responsive Receiver.....	<i>D. C. Gibbs</i>
3,454,821	Electron Beam Recorder.....	<i>K. H. Loeffler</i>
3,456,158	Functional Components.....	<i>E. M. Davis, Jr. and A. H. Mones</i>
3,456,159	Connections for Microminiature Functional Components.....	<i>E. M. Davis, Jr., R. D. McNutt and A. H. Mones</i>
3,456,161	Look-ahead Control Circuitry.....	<i>F. G. Soltis</i>
3,456,247	Coupled Film Storage Device.....	<i>T. D. English</i>
3,456,248	Magnetic Film Memory with Low Drive-current Requirements.....	<i>J. M. Daughton and G. E. Keeffe</i>
3,457,422	Optical System Adapted for Rotation of an Image to be Scanned with Reference to a Scanning Path.....	<i>H. R. Rottmann</i>
3,457,633	Method of Making Crystal Shapes Having Optically Related Surfaces.....	<i>J. C. Marinace and R. F. Rutz</i>
3,458,024	Typebar Drive Including Reciprocating Linear Moving Cyclic Means.....	<i>J. O. Schaefer</i>
3,458,312	Solvent Strippable Photosensitive Compositions and Method of Production Therefor.....	<i>R. Srinivasan</i>
3,458,352	Method of Continuously Curing Resistor Elements.....	<i>H. E. Dietsch, J. Gow, III and R. J. Surty</i>
3,458,369	Process for Preforming Crystalline Bodies.....	<i>J. C. Marinace</i>
3,458,421	Electrode with Integral Flow Channel.....	<i>H. Dahms</i>
3,458,665	Data Transmission Constant Current Adapter.....	<i>H. G. Markey</i>
3,458,688	Document Line Position Identification for Line Marking and Document Indexing Apparatus.....	<i>G. A. Garry, D. J. Kostuch, F. W. Lawless and D. L. Malaby</i>
3,458,689	Solid State Sensing and Encoding Device.....	<i>R. J. Lynch</i>
3,458,719	Threshold Logic Switch with a Feedback Current Path.....	<i>L. Weiss</i>
3,458,730	Monostable Controlled Rectifier Switching Circuit with Variable Impedance for Low Power Dissipation and Rapid Recovery.....	<i>R. L. Gamblin</i>
3,458,785	Fine and Coarse Motor Positioning Control for a Magnetic Disk Memory...	<i>F. J. Sordello</i>
3,458,786	Movable-element Positioning System with Coarse and Fine Incremental Control.....	<i>L. J. Thompson</i>
3,458,798	Solid State Rectifying Circuit Arrangements.....	<i>F. F. Fang and W. E. Howard, Jr.</i>
3,458,821	Variable Gain Controller.....	<i>R. E. Clarridge</i>
3,458,829	Apparatus for Controlling the Area of Emission of Laser Light.....	<i>R. V. Pole and E. S. Barrekette</i>
3,458,832	Bulk Negative Conductivity Semiconductor Oscillator.....	<i>J. C. McGroddy and M. I. Nathan</i>