

Patents Recently Issued to IBM Inventors

October and November 1967

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3,344,900	Chip Orienting Control Circuit for a Chip Positioning Machine	<i>J. G. Drop</i>
3,345,158	Electrical Conductor Material and Method of Making Same	<i>M. L. Block and A. H. Mones</i>
3,345,209	Growth Control of Disproportionation Process	<i>G. Cheroff and A. Reisman</i>
3,345,223	Epitaxial Deposition of Semiconductor Materials	<i>A. Reisman, M. Berkenblit, S. A. Papazian and G. Cheroff</i>
3,345,276	Surface Treatment for Magnesium-Lithium Alloys	<i>R. A. Munroe</i>
3,345,460	Scanning Apparatus	<i>P. Betts and J. J. Lynott</i>
3,345,529	Electron Beam Column with Demountable Flux-Generating Assembly and Beam-Forming Elements	<i>K. H. Loeffler and E. D. Salbu</i>
3,345,596	Hygrometer and Method of Fabrication	<i>R. A. Delaney and K. J. Puttlitz</i>
3,345,908	Print Characteristics Displayer	<i>R. A. Jensen</i>
3,345,912	Rotary Shearing Interferometer	<i>A. W. Lohmann</i>
3,346,086	Proportional Escapement Apparatus for a Single Element Typewriter	<i>W. O. Cralle, Jr., G. A. Holt, E. J. Lenney, D. E. Sederholm and N. D. Walton</i>
3,346,087	Pitch Changing Apparatus for Proportional Escapement Typewriter	<i>G. Colombo and G. A. Holt</i>
3,346,088	Carrier Mechanism for Proportional Escapement Typewriter	<i>W. O. Cralle, Jr., G. A. Holt and E. J. Lenney</i>
3,346,089	Carrier Mechanism for Proportional Escapement Typewriter	<i>W. O. Cralle, Jr., E. J. Lenney, K. A. Lennon and N. D. Walton</i>
3,346,090	Ribbon Feed Mechanism	<i>W. Goff, Jr. and J. O. Schaefer</i>
3,346,091	Tabulation Apparatus for Typewriter	<i>W. O. Cralle, Jr., K. A. Lennon and N. D. Walton</i>
3,346,184	Pneumatic Accumulator	<i>J. O. Schaefer</i>
3,346,950	Method of Making Through-Connections by Controlled Punctures	<i>H. C. Schick</i>
3,347,131	Quantitative Image Measurement Process for Printed Material	<i>C. K. Clauer and R. L. Erdmann</i>
3,348,033	Switching Circuits Employing Esaki Diodes	<i>A. J. Gruodis, L. K. Lange and W. H. McAnney</i>
3,348,089	Cyclotron Accelerator Having the Electrostatic Field Appearing Across a Non-Linear Gap	<i>L. H. Thomas</i>
3,348,124	Split Primary Inverter	<i>J. R. Cield</i>
3,348,153	Frequency-Shift Receiver Insensitive to Distortion and Selective Fading	<i>J. R. Featherston</i>
3,348,162	Circuit with Selective Nonlinear Feedback	<i>J. B. Atkins</i>
3,348,213	Record Retrieval Control Unit	<i>J. R. Evans</i>
3,348,214	Adaptive Sequential Logic Network	<i>R. J. Barbetta</i>
3,348,218	Redundant Memory Organization	<i>A. W. Vinal</i>
3,348,411	Record Card Verifying Machine	<i>J. U. Roe</i>
3,348,947	Diazo Print Process	<i>C. A. Girard and F. R. Clarke</i>
3,349,375	Associative Logic for Highly Parallel Computer and Data Processing Systems	<i>R. R. Seeber and A. B. Lindquist</i>
3,349,378	Data Signal Sensing System	<i>D. J. Crawford</i>
3,349,389	Detection System for Binary Data	<i>K. Simanavicius</i>
3,349,475	Planar Injection Laser Structure	<i>J. C. Marinace</i>
3,349,476	Formation of Large Area Contacts to Semiconductor Devices	<i>M. H. Pilkuhn and H. S. Rupprecht</i>
3,349,480	Method of Forming Through Hole Conductor Lines	<i>C. Rashleigh</i>
3,349,695	Universal Character Set Addressing in High Speed Printers	<i>E. M. Bloom, Jr. and V. J. Faidley</i>
3,349,887	Ribbon Mechanism	<i>W. Goff, Jr.</i>
3,350,003	Fluid Controlled Actuating Mechanism	<i>C. S. Jackowski</i>
3,350,180	Magnetic Device with Alternating Lamina of Magnetic Material and Non-Magnetic Metal on a Substrate	<i>I. M. Croll</i>
3,350,210	Electroless Plating of Magnetic Material	<i>A. F. Schmeckenbecher</i>
3,350,222	Hermetic Seal for Planar Transistors and Method	<i>I. Ames and H. L. Caswell</i>
3,350,291	Method of Preparing Strained Polycyclic Hydrocarbons	<i>R. Srinivasan</i>
3,350,505	Scanning Apparatus Employing Means Compensating for Variations in Character Height and Width and for Variations in the Position or Linearity of Lines of Print	<i>R. Bakis</i>
3,350,518	Reader for Punched Record	<i>M. Krakinowski and S. U. Blaskovic</i>
3,350,575	Application of Triangular Waveforms to Exponential Impedance Means to Produce Sinusoidal Waveforms	<i>W. G. Crouse</i>

3,350,662	Crystal Controlled Oscillator Circuit Utilizing Transistors	<i>L. R. Harper</i>
3,350,690	Automatic Data Correction for Batch-Fabricated Memories	<i>R. Rice</i>
3,350,693	Multiple Section Transfer System	<i>K. D. Foulger, J. J. Harmon and A. G. Silver</i>
3,350,694	Data Storage System	<i>A. A. Kusnick and W. G. Spruth</i>
3,350,695	Information Retrieval System and Method	<i>S. Kaufman and J. J. Magnino, Jr.</i>
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3,351,341	Variable Angle Card Deck Support	<i>B. E. Maring, W. J. Pendy, Jr., C. H. Grimm and J. S. Johnson</i>
3,351,698	Heat Sink Mounting for Semiconductor Devices	<i>J. C. Marinace</i>
3,352,398	Character Selection Mechanism Without Return to Home Position	<i>B. T. Crutcher, III and R. D. Dodge</i>
3,352,417	Document Sorting Apparatus	<i>A. Cutaia</i>
3,353,024	Control Circuitry for an Electronic Curve Follower	<i>N. S. Stockdale</i>
3,353,155	Error Control of Digital Information Signals with Inherent Information Redundancy	<i>R. T. Chien and J. J. Stein</i>
3,353,157	Generator for Variable and Repetitive Sequences of Digital Words	<i>D. J. Chesarek and H. E. Petersen</i>
3,353,160	Tree Priority Circuit	<i>A. B. Lindquist</i>
3,353,162	Communication Line Priority Servicing Apparatus	<i>W. H. Richard and L. T. O'Connor, Jr</i>
3,353,166	Oxide Coated Magnetic Recording Medium	<i>G. W. Brock</i>
3,353,261	Method of Making a Multitrack Magnetic Transducer Head	<i>R. C. Bradford, M. H. Cook and H. R. Kelson</i>
3,353,418	Acceleration and Velocity Surge Control Mechanism	<i>S. A. Okcuoglu</i>
3,353,646	Typewriter Having Means to Store Characters Selected During Carriage Movements	<i>R. J. Young</i>
3,353,669	Electrical Component Tester with Duplexed Handlers	<i>J. W. Broderick, R. M. Fiorenza, C. A. Kelly and M. Kozar</i>
3,353,894	Electro-Optic Light Deflector Utilizing Total Internal Reflection	<i>T. J. Harris</i>
3,353,907	Method for Producing Rare Earth Chalcogenides	<i>M. W. Shafer</i>
3,353,912	Preparation of High-Purity Materials	<i>N. G. Ainslie</i>
3,354,004	Method for Enhancing Efficiency of Recovery of Semi-Conductor Material in Perturbable Disproportionation Systems	<i>A. Reisman, M. Berkenblit and S. A. Alyanakyian</i>
3,354,009	Method of Forming and Fabricating Semiconductors by Double Diffusion	<i>G. Mandel and F. F. Morehead, Jr.</i>
3,354,059	Electrodeposition of Nickel-Iron Magnetic Alloy Films	<i>H. Koretzky</i>
3,354,074	Cylindrical Cathode Sputtering Apparatus Including Means for Establishing a Quadropole Magnetic Field Transverse of the Discharge	<i>E. Kay</i>
3,354,295	Binary Counter	<i>R. Kulka</i>
3,354,296	Translator	<i>L. P. Horwitz and R. M. Karp</i>
3,354,360	Integrated Circuits with Active Elements Isolated by Insulating Material	<i>F. J. Campagna, L. V. Gregor and D. P. Seraphim</i>
3,354,405	Energy Coupling Device	<i>H. B. Bebb and R. J. Potter</i>
3,354,430	Memory Control Matrix	<i>C. Zeitler, Jr. and L. J. Boland</i>
3,354,435	Transmission Line Control of Transistor Selection Matrix	<i>J. K. Picciano</i>
3,354,437	Data Translation Apparatus	<i>J. R. Carthew, E. Loizides and L. A. Mitta</i>
3,354,440	Nondestructive Memory Array	<i>A. S. Farber and E. S. Schlig</i>
3,354,450	Data Translation Apparatus	<i>J. R. Carthew, E. Loizides and L. A. Mitta</i>
3,354,451	High Speed Optical Parallel-to-Serial and Serial-to-Parallel Conversion of Binary Information	<i>T. J. Harris and B. R. Shah</i>
3,354,816	Line Printer with Proportional Spacing Control Means	<i>G. A. Giannuzzi</i>
3,355,001	Serial on-the-Fly Printer Using a Pair of Sequential Type Member Guides	<i>D. W. Reed, V. R. Simpson and L. D. Zolnosky</i>
3,355,334	Method of Shaping P-N Junction Profiles	<i>V. A. Dhaka and E. S. Wajda</i>
3,355,335	Method of Forming Tunneling Junctions for Intermetallic Semiconductor Devices	<i>J. H. Butler, D. A. Chance and S. S. Im</i>
3,355,674	Optical Fiber Laser Device	<i>W. A. Hardy</i>
3,355,722	Compact Semi-Permanent Information Storage Unit	<i>H. R. Grubb, J. W. Haskell, P. A. Lord and E. F. Rent</i>
3,355,725	Information Storage Matrix	<i>A. McKeon</i>