Patents Recently Issued to IBM Inventors

December 1967 and January 1968

December 1967

3,355,829	Document Flattener	*D. P. Butterbaugh*
3,356,021	Selective Printer and System for Processing Tickets Having Magnetic Information Thereon	*G. H. May and T. A. Hickox*
3,356,200	Zone and Line Finding	*P. J. De George*
3,356,202	Typewriter Ribbon Cartridge	*W. Goff, Jr.*
3,356,934	Double Frequency Recording System	*M. O. Halfhill and H. C. Stephens*
3,356,955	Digital Automatic Time Domain Equalizer	*W. S. Mohn and L. L. Stickler*
3,356,983	Transmission Line Cable Connector	*D. O. Johnson, Jr.*
3,357,003	Single Channel Quaternary Magnetic Recording System	*S. J. MacArthur*
3,357,289	Round Corner Cutting Machine for Record Cards	*W. G. Thomson*
3,357,871	Method for Fabricating Integrated Circuits	*R. E. Jones, Jr.*
3,358,216	Simple High-Voltage Pulse Generating System	*D. J. Kostuch*
3,358,271	Adaptive Logic System for Arbitrary Functions	*M. P. Marcus, G. E. Rossmann and C. J. Tunis*
3,359,370	Ideally Lossless Resonant Transfer of Energy Between Bandpass Filters of Equal Bandwidth	*P. O. Dahlman and P. M. Thrasher*
3,359,543	Data Transmission System	*F. P. Corr and A. H. Frey, Jr.*
3,359,851	Two Color Multiple Beam Interferometer for Measuring Small Separations	*L. D. Lipschutz and T. K. Chow*
3,359,852	Multiple Color, Multiple Beam Interferometer	*J. S. Wilczynski and J. S. Harper*
3,359,876	Continuous Page Printer	*R. J. Lahr*
3,360,397	Process of Chemically Depositing a Magnetic Cobalt Film From a Bath Containing Malonate and Citrate Ions	*H. Koretzky*
3,360,596	Method of Fabricating a Core Support Unit for Use in Assembling Magnetic Core Matrices	*R. L. Judge*
3,360,732	Gated Circuit for Producing Oscillatory Waveform Across Capacitor Having Twice the Preselected Gating Frequency	*C. F. Haugh and G. A. Hellwarth*
3,360,783	Accounting Apparatus	*P. E. Goldsberry and W. I. Lockett*

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3,361,244	Sealing a Carbon Ribbon to a Core	*J. P. Arena and A. B. Perry*
3,361,600	Method of Doping Epitaxially Grown Semiconductor Material	*A. Reisman and M. Berkenblit*
3,361,659	Process of Depositing Thin Films by Cathode Sputtering Using a Controlled Grid	*B. I. Bertelsen*
3,361,865	Coaxial Micro Probe	*G. R. Giedd*
3,361,910	Optical Non-Destructive Read Out Memory	*F. F. Morehead, Jr.*
3,362,012	Character Recognition by Optical Alignment	*L. F. Winter*
3,362,013	Sequential Switching Device	*P. Abramson, R. W. Bennett and G. R. Stilwell, Jr.*
3,362,015	Communication Switching Adapter	*D. Mackie and L. T. O'Connor, Jr.*
3,362,021	Servo Positioning System for Magnetic Disc Memory	*J. T. Ma and P. K. Wang*
3,362,421	Bounded Free Jet Fluid Amplifier with Turbulent Attachment	*R. R. Schaffer*
3,362,893	Method and Apparatus for the High Speed Production of Magnetic Films	*J. M. Amaro and K. F. Greene*
3,363,182	Single Oscillator Clock Circuit	*M. O. Halfhill and H. C. Stephens*
3,363,183	Self Correcting Clock for a Data Transmission System	*R. E. Bowling, O. D. Montgomery and T. J. Roche*
3,363,189	Synchronous Demodulator	*R. K. Oswald*
3,363,333	Teaching Machine	*A. D. Alexander*
3,363,853	Strip Record Medium Transporting Apparatus	*R. D. Irvin*
3,364,342	Fluid Pressure Control Apparatus	*M. Jakubowski*
3,364,467	Cryogenic Fault or Error-Detection and Correction Device Having Spare Channel Substitution	*L. H. Haibt and J. D. Rutledge*
3,364,468	Cryogenic Fault or Error-Detecting and Correcting System Having Spare Channel Substitution	*L. H. Haibt and M. O. Rabin*
3,364,495	Apparatus for Interrecord Gap Size Control	*R. V. McFadden, C. P. Rauf and G. G. Unger*
3,364,833	Wash Ammonia Development Device	*R. B. Mulvany and E. H. Storm*

3,365,200	Incrementing Apparatus	*W. L. Dollenmayer*
3,365,378	Method of Fabricating Film-Forming Metal Capacitors	*L. I. Maissel and C. L. Standley*
3,365,583	Electric Field-Responsive Solid State Devices	*J. B. Gunn*
3,365,620	Circuit Package with Improved Modular Assembly and Cooling Apparatus	*J. H. Butler, S. S. Im and T. L. Palfi*
3,365,631	Semiconductor-Ferroelectric Dielectrics	*R. A. Delaney and R. K. Spielberger*
3,366,043	Fluid Pressure-Actuated Sensing and Recording Devices	*C. J. Fitch*
3,366,213	Variable Stroke Mechanism for Printing Platen	*J. A. Craft and J. O. Schaefer*
3,366,215	Single Rack Backspace	*R. E. Hosey, J. B. O'Daniel, R. J. Young and D. A. Decker*
3,366,321	Fluid Interposer Actuator	*C. S. Jackowski*
3,366,390	Method for Removing Microscopic Dust Particles	*R. A. Applequist, R. K. Brunner and R. E. Pattison*
3,366,517	Formation of Semiconductor Devices	*H. N. Yu*
3,366,518	High Sensitivity Diodes	*L. Esaki and R. A. Laff*
3,366,520	Vapor Polishing of a Semiconductor Wafer	*M. Berkenblit and A. Reisman*
3,366,728	Superconductor Wires	*R. L. Garwin, A. S. Nowick and D. P. Seraphim*
3,366,780	Shift Multiplier	*J. M. Lee and M. Lehman*
3,366,818	Cathode Ray Device with Screen Having Integrity Against Stress	*W. E. Bron, W. R. Heller and P. A. Roland*
3,366,819	Light Emitting Semiconductor Device	*B. L. Crowder, F. F. Morehead and P. R. Wagner*
3,366,892	Solid State Laser Mode Selection Means	*J. W. Crowe*
3,366,916	Connector with Fluid Pressure Relief Devices	*S. Oktay*
3,366,927	Computing Techniques	*A. D. Falkoff*
3,366,928	Accessing System for Large Serial Memories	*R. Rice and R. F. Schauer*
3,366,929	Computing System Embodying Flexible Subroutine Capabilities	*A. P. Mullery, R. H. Riekert and R. F. Schauer*
3,366,930	Method and Apparatus for Rejecting Noise in a Data Transmission System	*R. W. Bennett and H. Y. Juliusburger*

The following patents were issued during the period August to December 1967 by the countries in which the inventions were made.

1,494,713	Circuits for Switching Systems .(Fr.)	*J. P. Pierret, A. B. Bilotti, A. P. Potocki and J. L. Lemiere*
1,500,784	Free Path Finding Procedure and Device in Switching Network .(Fr.)	*A. M. Milewski*
1,500,867	Processing Scheme and Circuits for PCM Signals .(Fr.)	*H. N. Nussbaumer*
1,504,592	Ringing Control Device with Special Application to Automatic Telephone Systems .(Fr.)	*J. G. Garcia*
1,504,608	Process for Establishing Paths Within a Switching Network .(Fr.)	*J. G. Garcia*
1,504,609	Data Transmission System .(Fr.)	*J. P. Pierret*
1,505,435	Voice Pitch Measuring Device .(Fr.)	*A. N. Nemeth*
1,505,558	Electronic Switching Matrix Protected Against Crosstalk .(Fr.)	*A. C. Croisier*
1,505,629	Centralized Control Unit for Switching Network .(Fr.)	*P. D. DeBacker, M. B. Bastian and A. J. James*
1,239,123	Arrangement for Reconverting Shilling and Penny Amounts to Decimal Pound (Germ.)	*M. Briner*
1,242,282	Method of Producing a Supporting Layer for Printed Circuits (Germ.)	*M. Immendorfer*
1,242,972	Method of Etching Si (Germ.)	*E. Ebert and W. Spielmann*
1,243,431	Method and Arrangement for Selectively Arranging Printed Texts (Germ.)	*F. Albrecht*
1,244,447	Manual Setup Device Particularly for Digit Cylinder in Counters (Germ.)	*O. Schumacher*
1,244,960	Light Control Arrangement (Germ.)	*K. Kosanke, W. Kulche and E. Max*
1,245,180	Positioning Mechanism for a Printing Device (Germ.)	*N. Kirchhof*
1,969,336	Form Feed (Germ.)	*F. Hilpert*
1,972,495	Tweezers Particularly for Handling Small Components of Brittle Material (Germ.)	*H. Broeckl*
1,973,189	Device for the Registration of Working Process (Germ.)	*K. Langer*
M,R00,450	IBM 3959 Numeric Verifier (Germ.)	*W. Seydel*
0,441,233	Separator for Suspended Particles (Switz.)	*H. H. Glaettli*
0,442,425	Difference Amplifier (Switz.)	*D. Seitzer and R. Luescher*
0,443,419	Microwave Generator (Switz.)	*G. Kohn*
0,444,915	Read-Only Memory (Switz.)	*H. P. Schlaeppi*
0,447,411	Method for the Generation of Stimulated Emission of Radiation (Switz.)	*K. W. Blazey and C. A. Mueller*
1,066,136	Switching Circuit (U. K.)	*S. Wrona*
1,071,362	Electrical Switching Circuits (U. K.)	*R. Saunders and R. J. Seaton*
1,072,835	Parity Checking System (U. K.)	*G. S. Burgess*
1,073,106	Digital Computer Control System (U. K.)	*M. J. Kelly*
1,076,393	Optical Filter (U. K.)	*J. E. Young*
1,076,919	Unijunction Transistor Storage Cell (U. K.)	*J. B. Gillett*
1,081,385	Electrical Circuit Exhibiting Inductive Properties (U. K.)	*J. B Gillett*