

Patents Recently Issued to IBM Inventors

December 1968 and January 1969

December 1968

3,413,839	Method of and Apparatus for Mechanically Testing the Quality of Bonded Joints.....	K. Clark
3,414,258	Record Card Feeding Apparatus.....	E. A. Brown
3,414,417	Screening Inks with Sublimable Solids.....	L. F. Miller and G. J. De Paolo
3,414,641	Method of Fabricating Resistor Compositions.....	L. F. Miller
3,414,740	Integrated Insulated Gate Field Effect Logic Circuitry.....	J. R. Dailey and N. M. Guydosh
3,414,775	Heat Dissipating Module Assembly and Method.....	E. H. Melan and H. F. Tepper
3,414,786	Stepping Motor Servo.....	T. E. Kasmer and W. C. Ogden
3,414,831	Cascaded Connected Transistorized Operational Amplifier.....	M. G. Wilson
3,414,880	Source Error Correction for Relatively Moving Signals.....	R. B. Humphrey
3,414,891	Nondestructive Readout Thin Film Memory.....	G. Kohn
3,415,680	Objects Provided with Protective Coverings.....	J. A. Perri and J. Riseman
3,415,684	Method of Preconditioning Digital Magnetic Tape.....	C. P. Hayunga
3,415,950	Video Quantizing System.....	M. R. Bartz, R. E. Olson and N. S. Stockdale
3,416,132	Group Parity Handling.....	O. L. MacSorley
3,416,148	Compound Radius Transducer Head.....	D. G. Berghaus, H. L. Tiao and A. N. Garthwaite
3,416,224	Integrated Semiconductor Devices and Fabrication Methods Therefor.....	W. J. Armstrong, A. M. Healy and M. C. Duffy
3,416,440	Apparatus for Screen Printing.....	D. L. Miller, G. J. Spillman, E. J. Stokowski and J. D. Wharmby
3,416,442	Selective Hammer Actuating Means in Chain Printers.....	E. A. Brown and A. S. Chou
3,416,535	Selection Apparatus.....	C. H. Kalthoff and L. J. Rigby
3,417,202	System for Recording, Reproducing and Communicating Digital and Audio Signals with Adjuncts for Operator Use.....	R. A. Kolpek
3,417,236	Parallel Binary Adder Utilizing Cyclic Control Signals.....	B. G. Utley
3,417,249	Four Terminal Electro Optical Logic Device.....	I. G. Akmenkalns, R. J. Wilfinger and A. D. Wilson
3,417,261	Logic Circuit.....	J. L. Walsh
3,417,379	Clocking Circuits for Memory Accessing and Control of Data Processing Apparatus.....	R. S. Heard and L. M. Hornung
3,417,380	Instruction Selection Apparatus.....	L. J. Hasbrouck, E. J. Ossolinski and G. L. Smith
3,417,381	Apparatus for Writing Information in Memory by Light.....	G. T. Sincerbox
3,417,464	Method for Fabricating Insulated-gate Field-effect Transistors.....	F. F. Fang, E. J. Walker and H. N. Yu
3,417,686	Variable Volume High Pressure Ammonia Development Device.....	J. O. Hildebrand, R. B. Mulvany and P. F. Smith
3,417,814	Air Cooled Multi-liquid Heat Transfer Unit.....	S. Oktay
3,417,850	Pneumatic Incremental Tape Actuator.....	A. L. Mix, Jr. and D. L. West
3,418,036	Magneto-optical Rotation Device with Europium Chalcogenide Magneto-optical Elements.....	F. Holtzberg and S. Methjessel
3,418,120	Method for Developing One Component Diazotype Materials.....	B. I. Halperin and J. O. Thompson
3,418,226	Method of Electrolytically Etching a Semi-conductor Having a Single Impurity Gradient.....	J. C. Marinace
3,418,429	Speech Analysis System.....	G. L. Clapper
3,418,432	Remote Control Matrix Dictating System.....	R. R. Boggs, Jr., H. C. Locklar and L. E. West
3,418,481	Illumination Detector Using a Plurality of Light Sensitive Diode Pairs.....	H. Dym and R. V. Mazza
3,418,483	Enhanced Faraday Rotation Structure.....	G. J. Fan
3,418,491	Utilizing Identical Signal Levels for Logic and Inhibit Functions.....	D. H. Chung and J. L. Walsh
3,418,519	Yoke Driving Circuit for Cathode Ray Tube Display.....	H. A. Ferrier and P. V. McEnroe
3,418,520	Intensity Control System for a Particle Beam Device.....	R. R. Barber and K. H. Loeffler
3,418,534	Latching Devices.....	J. P. Koons, W. M. Young, and C. R. Yungkurth
3,418,585	Circuit for Detecting the Presence of a Special Character in Phase-encoded Binary Data.....	W. T. Harnett
3,418,600	Electrical Shock Wave Microwave Oscillator and Control Thereof.....	S. Triebwasser
3,418,629	Decoders for Cyclic Error-correcting Codes.....	R. T. Chien
3,418,633	Pulse Time Interval Measuring System.....	P. D. Jones and B. G. Wood
3,418,638	Instruction Processing Unit for Program Branches.....	D. W. Anderson, C. J. Conti, F. J. Sparacio and R. M. Tomasulo

3,418,641	Electrical Distribution System.....	<i>T. A. Fyfe and P. E. Stuckert</i>
3,418,647	Memory Sense Gating System.....	<i>W. J. Taren</i>
3,418,654	Pulse Converter Using Strip Line Directional Couplers.....	<i>R. G. Short</i>
3,418,933	Printer Having Force Compensating Platen.....	<i>J. O. Schaefer</i>
3,419,425	Method of Selectively Removing Powdered Glass.....	<i>E. E. Conrad</i>
3,419,761	Method for Depositing Silicon Nitride Insulating Films and Electric Devices Incorporating Such Films.....	<i>W. B. Pennebaker</i>
3,419,804	Data Transmission Apparatus for Generating a Redundant Information Signal Consisting of Successive Pulses Followed by Successive Inverse Pulses.....	<i>E. P. Gorog and C. M. Melas</i>
3,419,805	Binary to Multilevel Conversion by Combining Redundant Information Signal with Transition Encoded Information Signal.....	<i>C. M. Melas</i>
3,419,810	Temperature Compensated Amplifier with Amplitude Discrimination.....	<i>M. P. Xylander</i>
3,419,884	Electrographic Printer.....	<i>P. Betts, D. R. Reichel and E. T. Eiselen</i>
3,419,956	Technique for Obtaining Isolated Integrated Circuits.....	<i>J. G. Kren, J. Regh and D. K. Seto</i>
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3,420,254	Pneumatically Sampled Serializer.....	<i>J. A. Machmer</i>
3,420,424	Concave-surfaced Vacuum Controlled Air Film.....	<i>R. A. Barbeau, K. B. Day, Jr. and J. A. Weidenhammer</i>
3,420,717	Metal Softening Process and Product Thereof.....	<i>D. S. Fields, Jr. and D. L. Mehl</i>
3,420,719	Method of Making Semiconductors by Laser Induced Diffusion.....	<i>H. R. Potts and C. A. Speicher</i>
3,421,057	High Speed Switching Transistor and Fabrication Method Therefor.....	<i>O. Bilous, P. P. Castrucci and T. D. Clark</i>
3,421,099	Semiconductor Push-Pull Circuits Utilizing Minority Carrier Storage Effects...	<i>F. L. O'Malley</i>
3,421,638	Processing System for Handling Articles Supported on Holders.....	<i>C. H. Locke and G. R. Santillo, Jr.</i>
3,421,809	Apparatus for Exceeding the Cutoff Frequency of a Band Limited Optical System.....	<i>A. W. Lohmann</i>
3,421,895	Process for Developing Diazotype Materials.....	<i>F. W. Haining, B. I. Halperin, and J. O. Thompson</i>
3,422,255	Maximum Occurring Event Determining Apparatus.....	<i>D. L. Malaby</i>
3,422,304	Logic Controlled Deflection System.....	<i>R. A. Thorpe</i>
3,422,336	Electric Energy Amplifying Circuit Arrangements.....	<i>C. P. Hollstein, Jr.</i>
3,422,402	Memory Systems for Using Storage Devices Containing Defective Bits.....	<i>F. E. Sakalay</i>
3,422,424	Analog to Digital Converter.....	<i>J. J. Belet</i>
3,422,538	Motion Generating Mechanism.....	<i>H. A. Panissidi</i>
3,422,700	Drive System for Business Machines.....	<i>A. L. Wittwer</i>
3,423,214	Magnetic Cobalt and Cobalt Alloy Plating Bath and Process.....	<i>H. Koretzky</i>
3,423,303	Method of Making a Workpiece at a Uniform Potential During Cathode Sputtering.....	<i>P. D. Davidse, L. R. Koster and W. Himes</i>
3,423,528	Electrographic Data Sensing System.....	<i>R. D. Bradshaw and H. H. Jensen</i>
3,423,540	Record-reproduce Circuit.....	<i>D. Wortzman</i>
3,423,596	Apparatus Wherein a Pulse Light Beam is Interrupted Having a High Pass Filter so that the Photocell is Responsive Only to the Leading Edge of the Light Pulse.....	<i>W. K. French</i>
3,423,641	Hammer Firing Circuit Impact Printers.....	<i>J. L. von Feldt</i>
3,423,736	Apparatus for Reading Information Selectively from Storage Devices.....	<i>W. W. Ash, K. M. Kosanke and G. T. Sincerbox</i>
3,423,737	Nondestructive Read Transistor Memory Cell.....	<i>L. R. Harper</i>
3,423,740	Information Handling Device.....	<i>E. S. Barrekette, E. Donath and H. M. Herd</i>
3,423,741	Memory Addresser in a Microwave Readout System.....	<i>R. L. Gamblin and P. A. Lord</i>
3,423,749	Character Positioning Control.....	<i>C. E. Newcomb</i>
3,423,754	Sampled Radar System.....	<i>J. B. Gunn</i>
3,424,063	Apparatus Using Diaphragm-type Fluid-controlled Logic Devices and Method of Making Same.....	<i>R. E. Norwood</i>
3,424,292	Easy Loading Ribbon Package.....	<i>W. Goff, Jr. and J. W. Spears</i>
3,424,629	High Capacity Epitaxial Apparatus and Method.....	<i>E. O. Ernst, D. J. Hurd and G. Seeley</i>
3,424,913	Data Sensing Apparatus Including Multiplex Sensing.....	<i>K. O. H. Heese</i>
3,424,927	Solid State AC Coupling.....	<i>R. Smith</i>
3,425,027	Plug-In Panel Lamp.....	<i>E. C. Uberbacher and J. S. Lott, Jr.</i>