

Patents Recently Issued to IBM Inventors

March and April 1971

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3,567,001	Key-responding Selector Mechanism.	R. B. Johnson, E. E. Long and G. E. Price
3,567,212	Revolving Drum Document Transport.	A. L. Hiatt
3,567,229	Transcribing Apparatus with Variable Automatic Recall Facilities.	C. L. Ridings, B. F. Wehmer and W. F. Wing
3,567,308	Rare-earth Chalcogenide Magneto-optical Elements with Protective Layers. ...	K. Y. Ahn and S. Methfessel
3,567,319	Illumination System.	C. A. Gaston
3,567,447	Process for Making Masks Photographically.	N. Chand
3,567,482	Latent Image Printing Device.	H. O. George and J. F. Martone
3,567,509	Metal-Insulator Films for Semiconductor Devices.	L. L. Kuiper
3,567,524	Method of Producing Moldings and the Products of this Method.	J. L. Cook, W. G. Ralston and B. E. Toben
3,567,852	Film Display System.	A. H. Ett
3,567,895	Temperature Control System.	O. Paz
3,567,960	Gating Circuit for Displaced Pulses.	C. E. Owen and C. N. Wallis
3,567,967	Velocity Deviation Detector.	B. C. Fiorino and J. A. Rodriguez
3,568,027	Motor Control Circuit with Symmetrical Topology.	J. L. Bacon and G. W. Cleave
3,568,153	Memory with Error Correction.	G. W. Kurtz and A. K. Pattin, Jr.
3,568,155	Method of Storing and Retrieving Records.	C. T. Abraham, S. P. Ghosh and D. K. Ray-Chaudhuri
3,568,165	Overrun Protection Circuit for a Computing Apparatus.	J. W. Kerr
3,568,169	Duplex Cycle for 2-D Film Memories.	V. T. Shahan
3,568,296	Method of Forming Holes.	J. G. Cutillo and J. E. Linksy
3,569,607	Resolderable Connector.	J. E. Martyak, M. D. Reeber and C. Wurms
3,569,681	Method and System for Adaptive Control.	R. W. Koepcke
3,569,785	Power System Protective Relaying by Time-coordinated Sampling and Calculation.	R. C. Durbeck and P. E. Mantley
3,569,799	Negative Resistance Device with Controllable Switching.	F. F. Fang and A. B. Fowler
3,569,800	Resistively Isolated Integrated Current Switch.	T. W. Collins
3,569,813	Program-controlled Positioning Device Utilizing a Stepping Motor.	K. Clark, J. G. Drop and J. J. L. Godat
3,569,814	Programmed Digital Servo Control Including Repeated Command Updating Whereby Output Function Becomes Smoothly Varying.	J. Rosenberg
3,569,848	Unconditionally Stable, Open-loop Operational Amplifier.	D. J. Esteban
3,569,900	Electrical Connector Assembly.	E. C. Uberacke
3,569,904	Electrical Housing and Lever Actuating Apparatus.	C. P. Hill and J. R. Mankus
3,569,905	Electrical Connector With Cam Action.	T. Kehagioglou
3,569,938	Storage Manager.	H. E. Eden and J. J. Harmon
3,569,943	Variable-speed Line Adapter.	D. Mackie, E. E. Mallar, Jr. and R. F. Steen
3,569,945	Low-power Semiconductor Diode Signal Storage Device.	I. T. Ho
3,569,957	Analog to Digital Converter with Isolated Inputs.	R. J. Masterson
3,570,844	Positionable Separator.	T. H. Anderson and D. D. Towne
3,570,845	Card Weight.	C. J. Kellerman
3,571,500	Reproduction System Using an Incremental Scan.	E. G. Nassimbene
3,571,510	Coordinated Data Determination System.	R. D. Weir
3,571,515	Voice Analysis and Recovery System.	R. B. Buron, M. L. Levilion, H. N. Nussbaumer, E. P. Paris and V. R. Riso
3,571,527	Magnetic Copy System.	F. E. Becker, W. F. Klein and W. R. Yount
3,571,542	Fluid Logic Controlled Elastic Diaphragm Switch Matrix with Cross Point Shielding.	T. F. Madden, L. A. Tate and A. Weiss
3,571,581	Digit Verification System for an Electronic Transaction Recorder.	R. D. Kaus and J. A. Muehlenbein
3,571,623	Transistorized Switching Circuit and Driver Means Therefor.	R. D. Church and F. L. O'Malley
3,571,624	Power Transistor Switch with Automatic Self-forced-off Driving Means.	W. C. Leung
3,571,685	Numerical Servo Displacement Control System.	V. E. Akins, J. P. Harris and F. H. Kost
3,571,710	FSK Communication System Utilizing Clamped Demodulator Output.	L. P. West
3,571,712	Digital FSK/PSK Detector.	G. A. Hellwarth and G. D. Jones, Jr.
3,571,717	Dual Pilot Control for Rephasing a Signal Carrier.	J. L. Menrolin

3,571,730	Self-clocked Binary Data Detection System with Noise Rejection.	G. T. Webb
3,571,733	Adaptive Delay Line Equalizer for Waveforms with Correlation Between Subsequent Data Bits.	Y. Fang
3,571,736	Demodulator for Pulse Width Modulated Signals.	L. P. West
3,571,797	Area-format Control in a Character Recognition System.	W. W. Hardin and P. J. Traglia
3,571,798	Two Level Switching System.	G. E. Dawson and M. Teig
3,571,799	Data Transmission Terminal.	C. W. Coker, Jr., H. W. Johnson, R. A. Peterson and J. N. Stallard
3,571,806	Variable-speed Line Adapter for Synchronous Transmissions.	D. Makie, E. E. Mallar, Jr. and R. F. Steen
3,571,903	Method of Securing a Self-piercing and Clinching Element to a Sheet of Metal.	E. H. Persson
3,572,142	Mechanical Power Transmission System.	R. B. Johnson and R. E. Marrs
3,572,489	Typewriter with Extended Writing Line.	J. O. Schaefer
3,572,555	Xerographic Toner Dispenser.	A. H. Knight and M. J. Miller
3,572,569	Document Feed and Control Device.	R. L. Cimijotti and R. F. Markley
3,572,682	Continuous Motion Card and Web Assembly Apparatus.	D. W. Leach and T. W. McGrath
3,572,693	Card Stop-Registration Device.	C. A. Larson and D. J. Wanek
3,572,736	Vacuum Chuck.	J. R. Lynch, L. E. Otten and H. Wenkus
3,572,904	Optical Reduction Lens System.	R. E. Tibbetts and J. S. Wilczynski
3,572,934	Longitudinally Reversed Shearing Interferometry.	O. Bryngdahl
3,572,945	Method and Scanning Apparatus for Color Separation and Identification.	D. R. Thompson
3,573,039	Method of Recovering Persistent Photoconductors.	U. Vahtra and M. D. Shattuck
3,573,099	Process for Making Garnet Films.	E. B. Moore and D. A. Nepela
3,573,179	Method and Apparatus for the Control of Electrolytic Refining Cells.	G. P. Dirth and T. K. McMahon
3,573,193	Method for Controlling Properties of Magnetic Film.	J. V. Powers and L. T. Romankiw
3,573,390	Magnetic Transducing System.	W. T. Frost and A. P. Neukermans
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3,573,433	Optical Read-only Memory.	T. J. Harris
3,573,448	Hybrid Multiplier.	R. D. Valentine
3,573,455	Examination of Articles by X-rays.	J. Suiverveld
3,573,491	Video Logarithmic Amplifier.	J. E. Goss and R. R. Hansen
3,573,495	Threshold Circuit Apparatus Employing Input Differential Amplifier for Temperature Stabilizing the Threshold Level Thereof.	M. P. Xylander
3,573,496	Dc Sense Amplifier.	J. A. Lake, Jr. and H. S. Yourke
3,573,505	Bistable Circuit and Memory Cell.	F. H. Gaensslen and D. P. Spampinato
3,573,562	Magnet Drive Circuit.	C. C. Hanson and B. E. Maring
3,573,573	Memory Cell with Buried Load Impedances.	R. L. Moore
3,573,592	Single-step Stepping Motor Control.	G. J. Agin
3,573,616	Current Measuring System Having a Feedback Path Including a Combined High Gain Amplifier and Integrator.	H. Kahen
3,573,635	Pulse Transfer System.	D. J. Da Costa
3,573,640	Phase Compensation Circuit.	C. P. Hollstein, Jr., G. H. Kiltz and F. J. Sordello
3,573,670	High-speed Impedance-compensated Circuits.	J. R. Skobern
3,573,728	Memory with Error Correction for Partial Store Operation.	E. Kolankowsky and A. K. Pattin, Jr.
3,573,730	Stored Logic Recognition Device.	D. R. Andrews and A. J. Atrubin
3,573,736	Interruption and Interlock Arrangement.	H. P. Schlaeppli
3,573,737	Reduction of Processor Loading in a Demand Computer System for Machine Tool Control.	J. Rosenberg
3,573,738	Demand Computer System for Machine Tool Control.	D. M. Bottles, R. H. Daw and J. Rosenberg
3,573,741	Control Unit for Input/Output Devices.	B. D. Gavril
3,573,748	Postal System.	W. M. Holme
3,573,749	Operator Guidance and Control Terminal.	W. R. Smith, C. D. Southard and W. D. Van Gieson, Jr.
3,573,758	Nonlinear Impedance Means for Transistors Connected to Each Other and to a Common Power Source.	R. A. Henle and W. D. Pricer
3,573,760	High Density Thin Film Memory and Method of Operation.	H. Chang and K. R. Grebe
3,573,764	Dual Bilateral Floating Gate Switch.	L. E. Larsen
3,573,771	Flexible Disk Magnetic Storage Device.	H. H. Cockrell, Jr.
3,573,789	Method and Apparatus for Increasing Image Resolution.	J. V. Sharp and D. R. Thompson
3,573,791	Multiple-use Indicator.	K. O. H. Hesse
3,573,957	Process for Preparing Porous Ink Containing Transfer Medium.	H. T. Findlay and R. Mack, Jr.
3,573,973	High-speed Additive Circuit Process.	J. S. Drotar, A. A. Parker and K. A. Snyder
3,573,974	Method of Fabricating Ohmic Contacts and Conductive Connectors.	P. P. Castrucci and E. G. Grochowski

3,573,975	Photochemical Fabrication Process.....	<i>V. A. Dhaka, E. R. Clark and A. Pinck</i>
3,573,981	Method and Apparatus for Inducing Uniaxial Anisotropy in Magnetic Film Thereby, and Memory Using the Film.	<i>K. Y. Ahn and J. M. Viggiano</i>
3,574,115	Magnetic Compositions of Cerium Modified Chromium Oxide and Methods of Manufacture.....	<i>R. S. Haines</i>
3,574,441	Achromatic Polarization Rotator.....	<i>T. J. Harris and E. Max</i>
3,574,455	High-speed Electrostatic Printer.....	<i>A. L. Mix, Jr. and D. C. Evans, Jr.</i>
3,574,675	Method of Affixing Ohmic Contacts to Ferromagnetic Semiconductor Bodies...	<i>F. Holtzberg</i>
3,574,676	Ohmic Contacts on Rare Earth Chalcogenides.....	<i>R. J. Gambino and S. von Molnar</i>
3,574,680	High-Low Ohmic Contact Deposition Method.....	<i>J. A. Perri and J. Riseman</i>
3,574,683	Preparation of Magnetic Particles by Reacting Iron, Cobalt, or Nickel Salts with Phthalate Ion in Dialkyl Sulfoxide.....	<i>H. K. Johnston II</i>
3,574,685	Manufacture of Magnetic Particles by Reacting Iron, Cobalt, or Nickel Salts with Oxalic Acid Salts in Dialkyl Sulfoxide.....	<i>R. S. Haines</i>
3,575,495	High-speed Document Lens Having Five Elements.....	<i>R. E. Tibbetts and J. S. Wilczynski</i>
3,575,588	Electron Beam Circuit Pattern Generator for Tracing Microcircuit Wire Patterns on Photoresist Overlaid Substrates.....	<i>K. Hermann, W. R. Wrenner and J. V. Riley</i>
3,575,798	Process for Maintaining Steam Dryer Pressure Below the Maximum Available..	<i>E. B. Dahlin</i>
3,575,301	Manipulator.....	<i>H. A. Panissidi</i>
3,575,740	Method of Fabricating Planar Dielectric Isolated Integrated Circuits.....	<i>P. P. Castrucci and J. W. Mason</i>
3,576,164	Incrementing Platen.....	<i>J. E. Drejza, D. F. Manning and R. E. Pelkie</i>
3,576,282	Pneumatically Biased Tape Loading.....	<i>A. P. Epina, Jr., V. Nejezchleb and S. H. Smith</i>
3,576,322	Card-feeding Apparatus.....	<i>F. A. Goplen</i>
3,576,367	Machine for Preparing Documents.....	<i>A. J. Sable</i>
3,576,356	Antiglare Coating for Cathode-ray Tube Used with Capacitive-coupled Voltage Pen.....	<i>C. E. Hyman and G. M. Krembs</i>
3,576,368	Imaging System.....	<i>W. E. Goetz and F. L. Hajny</i>
3,576,405	Unitary Registration Apparatus for Dictating Machines and Systems for Marking Dictation Intervals.....	<i>W. L. Dollenmayer</i>
3,576,436	Method and Apparatus for Adding or Subtracting in an Associative Memory....	<i>A. B. Lindquist</i>
3,576,454	Data Storage Accessing Mechanism with Moving Coil Motor.....	<i>L. R. Beach, Jr. and R. J. Black</i>
3,576,544	Storage Protection System.....	<i>H. Cordero, Jr., E. G. Drimak and C. B. Perkins</i>
3,576,552	Cylindrical Magnetic Memory Element Having Plural Concentric Magnetic Layers Separated by a Nonmagnetic Barrier Layer.....	<i>A. W. Vinal</i>
3,576,553	Data Transducer Positioning Servo Utilizing Compensation Network and Phase-displaced Servo Signal Pairs of Like Frequency.....	<i>F. R. Hertrich</i>
3,576,572	Voltage-stable Negative Resistance Device.....	<i>N. Braslau</i>
3,576,573	System for Selecting a Substitute Electrically Operated Element.....	<i>C. V. Symons</i>
3,576,574	Light Pen Tracking Unit with Alternative Tracking Patterns.....	<i>H. B. Baskin and R. H. Riekert</i>
3,576,575	Binary Coded Digital to Analog Converter.....	<i>G. A. Hellwarth and G. D. Jones, Jr.</i>