

Patents Recently Issued to IBM Inventors

February and March 1969

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3,425,805	Phosphite Testing Method.....	A. W. Grobin, Jr.
3,426,185	Accumulator for Performing Arithmetic Operations.....	C. W. Cox and L. M. Hornung
3,426,248	Planar Visual Readout Display Devices.....	A. B. Cistola
3,426,332	Data Handling Apparatus with Recurring Address Manipulation to Access a Plurality of Storage Areas.....	A. R. Cenjetelli
3,426,335	Thin Film Associative Memory.....	P. A. Lord and M. P. Marcus
3,426,337	Positioning System for Random Access Device.....	R. J. Black, G. J. Thaler, P. I. Prentky and R. D. Cordano
3,426,453	Magnetic Display Device.....	R. P. Dingwall and H. Marcar
3,426,883	Vibratory Feeding and Orienting Apparatus.....	J. Aronstein, D. T. Mozer and S. J. Poloncic
3,427,091	Alteration of Transmittance in Solids.....	E. Erlbach
3,427,134	Ferromagnetic Compounds and Method of Preparation.....	F. Holtzberg and S. J. Methfessel
3,427,154	Amorphous Alloys and Process Therefor.....	S. R. Mader, A. S. Nowick and H. Widmer
3,427,162	Diazotype Materials and Methods for Producing Diazotype Images.....	B. I. Halperin
3,427,163	Diazotype Materials and Methods for Producing Diazotype Images.....	B. I. Halperin
3,427,164	Diazotype Materials and Methods for Producing Diazotype Images.....	B. I. Halperin and J. O. Thompson
3,427,165	Diazotype Materials and Methods for Producing Diazotype Images.....	R. B. Champ and B. I. Halperin
3,427,211	Process of Making Gallium Phosphide Dendritic Crystals with Grown- in <i>p-n</i> Light Emitting Junctions.....	L. M. Foster and J. E. Scardefield
3,427,241	Photochemical Method of Preparing Bicyclo [1.1.0] Butane and Cyclobutene.....	R. Srinivasan
3,427,443	Instruction Execution Marker for Testing Computer Programs.....	C. T. Apple and J. T. Dervan
3,427,444	Coding Circuits for Data Transmission Systems.....	D. T. Tang
3,427,445	Full Adder Using Field Effect Transistor of the Insulated Gate Type.....	J. R. Dailey
3,427,472	Threshold Detector Employing Tunnel Diode-Hot Carrier Diode-Transistor in Combination with Backward Diode for Isolation.....	F. A. Karner
3,427,494	Corrected Deflection Circuit for Cathode Ray Tube.....	M. E. Bradley and D. J. Hinkeln
3,427,517	Orienting and Contacting Device.....	J. Aronstein and G. A. Caccoma
3,427,563	Multistable Device Operating on the Principle of Stimulated Emission of Radiation.....	G. J. Lasher
3,427,569	Oscillator Apparatus for Generating Tone Frequencies.....	P. Abramson
3,427,586	Fresnel Correlation Technique.....	A. W. Lohmann
3,427,592	Data Processing System.....	R. J. Bahnsen and J. Cocke
3,427,600	Magnetic Film Memory Cell with Angularly Displaced Easy Axes.....	S. Middelhoeck
3,427,602	Magnetic Systems with Memory Elements Consisting of Tubular Magnetic Members Arranged in Aperture Form.....	W. L. Shevel, Jr.
3,427,606	Memory System.....	R. J. Black and F. J. Sordello
3,427,655	Method for Producing Collated Printed Books.....	J. R. Woodside
3,427,849	Component Lead Offset Bending Apparatus.....	W. E. Ainsworth and N. C. Hill
3,427,949	Laminar Flow Film Developing Apparatus.....	R. D. Knight and D. A. Nepela
3,427,962	Fluid Control Means for Zero Suppression in Printing and Sensing Devices.....	G. A. Giannuzzi and D. W. Haney
3,428,197	Vacuum Entry Mechanism.....	C. L. Fischer and K. E. Haughton
3,428,802	External Standard Method of X-Ray Diffraction Analysis for Determining the Percentage of Compounds in Cement Clinker.....	P. K. Mehta and M. J. Shah
3,428,866	Solid State Device Including Electrical Packaging Arrangement with Improved Electrical Connections.....	C. Chiou and J. R. Garcia
3,428,903	Multipurpose Logic Circuit for Performing 254 out of 256 Discrete Logical Combinations of Three Variables.....	D. C. Forslund and R. Waxman
3,428,904	Data Detector for Magnetic Storage Device.....	R. A. Aziz
3,428,953	Card Capacitor Storage Selection System.....	D. W. Baxter, B. C. Felton, H. W. Hill and H. S. Hoffman, Jr.
3,429,040	Method of Joining a Component to a Substrate.....	L. F. Miller
3,429,701	Multiple Copy Electrophotographic Device.....	T. R. Koehler
3,429,986	Print Element Process for Multilingual Communications.....	R. A. Rahenkamp
3,429,989	Electronic Curve Follower.....	N. S. Stockdale
3,429,993	Video Digitizing System.....	M. R. Bartz
3,430,005	Recording and Reproducing Heads with Means for Recording Both Magnetically and Mechanically.....	J. M. Huckabee
3,430,205	Range Associative Memory with Ordered Retrieval.....	R. B. Seeber and A. B. Lindquist
3,430,212	Apparatus for Reading and Printing Stored Information by Light.....	E. Max and G. T. Sincerbox

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3,430,495	Liquid Sample Supply Apparatus.....	H. W. Bürge
3,431,050	Combination Paper and Developer Supply.....	C. S. Jenkins
3,431,431	Switching Apparatus.....	R. W. Martin
3,431,457	Graphic Deflection System Employing Variably Damped Deflection Winding.....	D. J. Hinkein and D. S. Liu
3,431,472	Palladium Ohmic Contact to Silicon Semiconductor.....	P. P. Castrucci and R. P. Pecoraro
3,431,490	Apparatus for Indicating Response of a Test Circuit to an Applied Pulse.....	T. W. Kwap and C. E. Ruoff
3,431,558	Data Storage System Employing an Improved Indexing Technique Therefor.....	A. J. Capozzi
3,432,020	Small Increment Ribbon Feed.....	A. H. Caudhill and W. Goff, Jr.
3,432,221	Stressed Laser Scanning Device Using Light Polarizers.....	T. J. Harris and E. Max
3,432,222	Optical Scanning Device.....	H. Fleisher, K. M. Kosanke, W. W. Kulcke and E. Max
3,432,224	Standing Wave Electro-Optic Light Modulator.....	R. A. Myers and P. S. Pershan
3,432,282	Method for Adjusting Contacts in Reed Switches.....	P. R. Schulz
3,432,417	Low Power Density Sputtering on Semiconductors.....	P. D. Davidse and L. I. Maissel
3,432,616	Data Transmission Apparatus Utilizing Frequency Shift Keying.....	W. G. Crouse
3,432,619	Random-Access Communication System Employing Pseudo-Random Signals.....	H. L. Blasbalg
3,432,627	Record Reading Device.....	M. Krakinowski
3,432,669	Noise Cancellation Circuit for a Photomultiplier Tube.....	W. A. Radke and J. F. Schomburg
3,432,670	Radiation Scanner Employing Constant Current Means.....	H. Dym
3,432,685	Sense Circuit for Bistable Memory Devices.....	P. E. Stuckert
3,432,767	Apparatus Employing Electronic Light Shutters for Switching the Direction of a Laser Beam Along Discrete Paths.....	R. V. Pole and J. Nuñez
3,432,768	Laser Device for Producing Multiple Frequency Outputs.....	R. L. Garwin
3,432,771	Optical Scanning Techniques Employing an Optical Cavity Including Two Reflectors and a Focussing Objective.....	W. T. Hardy
3,432,810	Addressing System for a Computer Employing a Plurality of Local Storage Units in Addition to a Main Memory.....	H. C. Cordero
3,432,811	Data Compression/Expansion and Compressed Data Processing.....	R. G. Rinaldi and B. B. Moore
3,432,812	Memory System.....	R. E. Elfant
3,432,813	Apparatus for Control of a Plurality of Peripheral Devices.....	E. J. Annunziata, R. S. James, L. E. King and E. B. Pierce
3,432,815	Switching Logic for a Two-Dimensional Memory.....	D. J. Lem and W. G. Spruth
3,432,822	Multiperture Thin Film Magnetic Memory.....	B. I. Bertelsen
3,432,831	Gated Difference Amplifier.....	M. P. Xylander
3,432,835	Current Summing Arrangement for a Magnetic Core Memory.....	H. F. Foglia
3,432,837	Sensor Magnetic Head with Magnetic Material as a Gap Bridge.....	G. J. Fan
3,432,839	Magnetic Multihead Assembly with Shielding Means.....	C. H. Stapper
3,432,845	Numeric Display.....	G. L. Douglas and J. W. Simpson
3,433,153	Printer with Swiveling Push Rods.....	R. H. Harrington and M. A. Henkel
3,433,257	Diaphragm Type Fluid Logic Latch.....	D. F. Jensen
3,433,558	Lens Group Employed in Laser Cavities.....	R. E. Tibbetts and J. S. Wilczynski
3,433,564	Vacuum Transparency Holder and Optics.....	R. J. Lahr
3,433,686	Process of Bonding Chips in a Substrate Recess by Epitaxial Growth of the Bonding Material.....	J. C. Marinace
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3,434,116	Scheme for Circumventing Bad Memory Cells.....	W. Anacker
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3,434,131	Pulse Width Sensitive Magnetic Head with Associated Binary Identification Circuit.....	R. P. Dingwall
3,434,778	Radiation Beam Deflection System.....	T. J. Harris, H. Fleisher and E. Shapiro
3,434,866	Method of Etching and Plating Urea Formaldehyde.....	W. M. Boggs and G. E. Rousselot
3,434,867	Method of Etching Urea Formaldehyde for Making Printing Elements.....	G. E. Rousselot
3,434,896	Process for Etching Silicon Monoxide and Etchant Solutions Therefor.....	D. S. Chance
3,435,186	Selective Piercing and Machining of Sheet Material.....	D. D. Roshon, Jr. and T. Young
3,435,278	Pincushion Corrected Deflection System for Flat Faced Cathode Ray Tube.....	F. R. Carlock, B. W. Kippenhan, W. R. Lamoureux and N. Lazarchick, Jr.
3,435,303	Semiconductor Bulk Effect Microwave Oscillator.....	N. Braslau
3,435,307	Electrical Shock Wave Devices and Control Thereof.....	R. W. Landauer
3,435,310	Electronic High Speed Strip Record Accessing Control Circuitry.....	E. F. Bradley

3,435,314	Electronic High Speed Device Incrementing Control Circuitry.....	<i>E. F. Bradley and H. A. Ferrier</i>
3,435,365	Monolithically Fabricated Operational Amplifier Device with Self Drive.....	<i>J. C. Greeson</i>
3,435,370	High Speed Laser Frequency Selector.....	<i>T. J. Harris and E. Max</i>
3,435,418	Record Retrieval and Record Hold System.....	<i>J. R. Evans and T. H. Rowe</i>
3,435,420	Contiguous Bulk Storage Addressing	<i>W. P. Wissick</i>
3,435,428	Dispersion Locked Memory.....	<i>B. I. Bertelsen, H. G. Hottenrott and H. J. Kump</i>
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