

INDEX OF PATENTS

DEPARTMENT OF COMMERCE

SMITHSONIAN INSTITUTION

UNITED STATES

PATENT OFFICE

1968



71.27
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Pt. 1

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Part I, List of Patentees

ISSUED FROM

THE UNITED STATES PATENT OFFICE

1968



U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON : 1969

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- Oshima, Shintaro, Enomoto, Futami, Kobayashi, Kami-bayashi, Fukui, Okada, Sabiki, Koyama, Saito, Moriyama, Abe, and Saito. 3,381,138.
- Aoe, Kuniomi: *See*—
- Kawamura, Michio, Ueda, Ikegami, and Abe. 3,371,915.
- Abe, Rempel, and K. Maruyama, to Nagataseiki Kabushiki Kaisha. Yarn tension regulating apparatus for stocking machine. 3,408,832, 11-5-68, Cl. 66-146.
- Abe, Shozo: *See*—
- Kuwata, Tsutomu, Yasukawa, and Abe. 3,415,884.
- Abe, Takashi, and A. Shinada, to Nippon Electric Co. Ltd. Zig-zag folding system. 3,363,895, 1-16-68, Cl. 270-61.
- Abe, Zennon: *See*—
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- Abeck, Wilhel: *See*—
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- Bartos, Josef. 3,381,584.
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- Abel, Jack. Brassiere having adjustable cup construction. 3,398,748, 8-27-68, Cl. 128-465.
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- Abel, Kenneth, H. S. De Schmertzing, and J. I. Peterson, to Melpar, Inc. Method of rapid lipid extraction. 3,365,277, 1-23-68, Cl. 23-230.
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- Abela, Michael F. Spinning projectile. 3,398,682, 8-27-68, Cl. 102-88.
- Abell, Jerrold J., and B. G. Kosa, to Rogers Corp. Method of making a microporous sheet material. 3,405,206, 10-8-68, Cl. 264-112.
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- Abels, Walter, to Demag Aktiengesellschaft. Gear coupling having automatic engagement means. 3,411,822, 11-19-68, Cl. 64-6.
- Abelson, Louis. Adenotome having a flat cutting surface. 3,407,815, 10-29-68, Cl. 128-309.
- Aben, Pieter C., and H. W. Kouwenhoven, to Shell Oil Co. Process for the catalytic hydrogenation of aromatic hydrocarbons. 3,397,249, 8-13-68, Cl. 260-667.
- Abendroth, Hans-Joachim, and G. Henrich, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of hydrazine. 3,387,919, 6-11-68, Cl. 23-190.
- Abens, Sandors G.: *See*—
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- Abercrombie, Charles G. Fish lure. 3,367,060, 2-6-68, Cl. 43-42.33.
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- Abermeth, Hubert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston internal combustion engine, especially circular piston internal combustion engine. 3,369,739, 2-20-68, Cl. 230-145.
- Abermeth, Hubert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston internal combustion engine, especially circular piston internal combustion engine. 3,369,740, 2-20-68, Cl. 230-145.
- Abernathy, Jack H., Jr.: *See*—
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- Abernathy, Roger E., H. R. Geng, W. N. Onwiler, and R. Taranto, to International Business Machines Corp. Apparatus for adding numbers using a decrements and an increment. 3,394,249, 7-23-68, Cl. 235-177.
- Abernathy, Robert R. Rotating vane bulb. 3,387,164, 6-4-68, Cl. 313-111.
- Abert, Charles, D. E. Anderson, and A. Zarouni, to Bell Telephone Laboratories, Inc. Annoyance call tracing arrangement recording called party identification and voice sample. 3,385,933, 5-28-68, Cl. 179-18.
- Abert, Charles, and W. C. Sand, to Bell Telephone Laboratories, Inc. Call tracing method and arrangement. 3,412,211, 11-19-68, Cl. 179-18.
- Abert, Jack C., S. R. Perin, and W. H. Dean; said Perin and said Dean assor. to said Abert. Pack frame and back-strap means therefor. 3,367,547, 2-6-68, Cl. 224-25.
- Abert, Jack C., and S. R. Perin; said Perin assor. to said Abert. Quick release buckle and strap means. 3,407,452, 10-29-68, Cl. 24-197.
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- Abfalter, Duane R. Tailgate lift device. 3,416,677, 12-17-68, Cl. 214-75.
- Abic Ltd.: *See*—
- Haber, Raphael R. G., and Schoenberger. 3,410,860.
- Abildgaard, William H., to Becton, Dickinson of California, Inc. Self-packaged sterilized glove and method. 3,372,799, 3-12-68, Cl. 206-63.2.
- Abildgaard, William H., to Becton, Dickinson of California, Inc. Package and packaging method for fragile articles. 3,406,746, 10-22-68, Cl. 165-46.
- Abington Textile Machinery Works: *See*—
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- Ramo, Oliver H. 3,364,766.
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- Yan, Maxwell M., and Baldwin. 3,386,879.
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- Reid, Kevin W. 3,387,897.
- Abkowitz, Stanley, A. R. Kaufmann, and A. K. Wolff, to Nuclear Metals Division of Textron Inc. Titanium bi-alloy composites and manufacture thereof. 3,368,881, 2-13-68, Cl. 29-192.
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- Able, Edward T., L. L. Blackwell, and D. R. Steele, to B. K. Sweeney Mfg. Co. Helicopter rotor blade trackers. 3,386,031, 5-28-68, Cl. 324-61.
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- Abold, Kaspar, to Xaver Fendt & Co. Fuel tank for motor vehicles, especially tractors. 3,394,772, 7-30-68, Cl. 180-69.
- Abolins, Andrew, to Strick Corp. Corner member for van size cargo container. 3,363,603, 1-16-68, Cl. 220-23.4.
- Abolins, Andrew, to Strick Corp. Removable spacers for upper corners of coupleable containers. 3,383,005, 5-14-68, Cl. 220-23.4.
- Abolins, Visvaldis, and R. M. Lukes, to General Electric Co. Asbestos-phosphoric acid molding composition. 3,403,038, 9-24-68, Cl. 106-63.
- Aboud, Frederick J., Jr., and W. Wieland. Dispensing apparatus. 3,371,821, 3-5-68, Cl. 221-93.
- Abowd, Richard G., Jr.: *See*—
- Retzlaff, James B., and Abowd. 3,368,971.
- Abowitz, Alexander. Fabric unraveling machine. 3,413,700, 12-3-68, Cl. 28-17.
- Abowitz, Alexander. Yarn stacking device for knitting machines. 3,413,826, 12-3-68, Cl. 66-8.
- Abraham, Anatole, and I. Solomon, to Commissariat a l'Energie Atomique. Magnetic resonance devices for accurately measuring magnetic fields, in particular low magnetic fields, on board of a movable body. 3,404,332, 10-1-68, Cl. 324-5.
- Abraham, Anton, to Wiener, Kammfabrik Anton Abraham Komm. Ges. Tear-off device for rotatably mounted paper rolls particularly toilet paper rolls. 3,374,931, 3-26-68, Cl. 225-79.
- Abraham, Ernestine G.: *See*—
- Hoffmann, Arthur K., Abraham, and Feldman. 3,372,182.
- Abraham, George. Measuring device employing negative resistance. 3,381,147, 4-30-68, Cl. 307-311.
- Abraham, Ludwig, to Licentia Patent-Verwaltungs-G.m.b.H. Logic control circuit for an inverter. 3,364,413, 1-16-68, Cl. 321-18.
- Abraham, Robert C.: *See*—
- Heller, Henry B., and Abraham. 3,417,361.
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- Abraham, Wayne G., to Varian Associates. Two-cavity klystron oscillators having capacitively tuned coupling iris between the cavities. 3,381,164, 4-30-68, Cl. 315-5.48.
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- Abrahamson, Hans A. G., to AB Tetra Pak. Method and apparatus for forming parallelepipedic packages having folded up end flaps from a continuous tubular material and for effecting a two-stage advance of the material to ensure proper registration for indicia on the package. 3,417,674, 12-24-68, Cl. 93-8.
- Abram, George W. Game with rotatable component. 3,401,940, 9-17-68, Cl. 273-139.
- Abramitis, Walter W., to Armour Industrial Chemical Co. Chlorinated hydrocarbon insecticides synergized with aliphatic amines. 3,386,881, 6-4-68, Cl. 167-22.
- Abramitis, Walter W., R. A. Reck, and C. S. Wilhelm, to Armour and Co. Impregnated degradation-resistant cloth. 3,379,563, 4-23-68, Cl. 117-138.5.
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- Abramowitz, Herbert, and E. L. Sachs. X-ray film developing rack holder and drip stand. 3,415,177, 12-10-68, Cl. 95-100.
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- Abrams, Harry J., and R. W. Roberts, to Norbatrol Electronics Corp. Bistable amplifier circuits. 3,385,973, 5-28-68, Cl. 307-38.
- Abrams, Herman B. Battery charger system. 3,402,339, 9-17-68, Cl. 320-40.
- Abrams, Irving M., R. G. Bufton, and F. L. Burnett III, to Diamond Shamrock Corp. Weak-base anion exchange resins containing amide substituents. 3,389,096, 6-18-68, Cl. 260-2.1.
- Abrams, Kenneth A. Traffic guide post. 3,380,428, 4-30-68, Cl. 116-63.
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- Abramson, Andrew E., and A. F. Kitchar, to Research, Inc. Method and machine for joining plastics. 3,384,526, 5-21-68, Cl. 156-499.
- Abramson, Daniel J. Drainage balloon catheter having means for antiseptic treatment of the urethra. 3,394,705, 7-30-68, Cl. 128-349.
- Abramson, Daniel J. Surgical needle holder. 3,398,746, 8-27-68, Cl. 128-240.
- Abramson, Davis. Coat collar construction. 3,396,407, 8-13-68, Cl. 2-98.

- Abramson, Harold B. Sliding closure and frame having substantially clear lower sill. 3,384,998, 5-28-68, Cl. 49-411.
- Abramson, Hugo, to Forsvarets Fabriksverk Eskilstuna. Spacing member for a recoil-free weapon. 3,376,784, 4-9-68, Cl. 89-1,703.
- Abramson, Paul: See—
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- Abramson, Paul, R. W. Bennett, and G. R. Stilwell, Jr., to International Business Machines Corp. Sequential switching device. 3,362,013, 1-2-68, Cl. 340-147.
- Abramson, Paul, S. Bederman, R. W. Bennett, P. H. Chin, M. Krakowski, G. R. Stilwell, Jr., and A. H. Winchell, to International Business Machines Corp. Sampling system for binary indicators having plural sampling rates. 3,369,219, 2-13-68, Cl. 340-147.
- Abramson, Paul, P. H. Chin, and G. R. Stilwell, Jr., to International Business Machines Corp. Matrix control circuit. 3,397,388, 8-13-68, Cl. 340-166.
- Abramson, Paul, P. H. Chin, and F. J. De Felice, to International Business Machines Corp. Synchronous remote element operating system with answer back. 3,413,605, 11-26-68, Cl. 340-163.
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- Abson, James W., and E. I. Clark, to Simon-Carves Ltd. Sewage treatment. 3,412,017, 11-19-68, Cl. 210-7.
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- Abt, Ronald C., to The Cincinnati Milling Machine Co. Electro-erosive machining apparatus. 3,386,907, 6-4-68, Cl. 204-224.
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- Accary, André, A. Trellou, and J. Trouvé, to Commissariat à l'Energie Atomique. Furnace for manufacturing ingots or bars of metal or alloys, particularly bars of uranium carbide. 3,388,736, 6-18-68, Cl. 164-154.
- Accary, André, A. Trellou, and J. Trouvé, to Commissariat à l'Energie Atomique. Furnace for manufacturing ingots or bars of metal or alloys, particularly bars of uranium carbide. 3,388,903, 6-18-68, Cl. 266-33.
- Accessory Products Co.: See—
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- Accetta, Anthony F. Composition for oral inflammatory diseases comprising hydrogen peroxide and chromium trioxide. 3,384,542, 5-21-68, Cl. 167-60.
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- Acciarri, Jerry A., W. C. Ziegenhain, and D. L. Ziegler, to Continental Oil Co. Process for producing alpha alumina monohydrate. 3,419,352, 12-31-68, Cl. 23-143.
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Broser, Richard. 3,385,419.
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- Achard, Rene, and P. Perras, to Rhone-Poulenc S.A. Process for producing vinyl esters. 3,383,406, 5-14-68, Cl. 260-497.
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- Achenbach, Karl, to FMC Corp. Process for etching copper printed circuits. 3,373,113, 3-12-68, Cl. 252-79.2.
- Achenbach, Karl, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for removing colloidal proteinaceous substances causing turbidity from fermented beverages and especially from beer. 3,413,120, 11-26-68, Cl. 99-48.
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- Achermann, Werner and F. Lighting utensil, in particular for smokers. 3,389,782, 6-25-68, Cl. 206-29.
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Peace, James B. 3,384,581.
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- Achler, Howard S., and H. Kaufmann, to Kaufmann Tool & Engineering Corp. Draw die. 3,382,690, 5-14-68, Cl. 72-57.
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- Achramowicz, William J., and S. Ayer, to United States of America, Air Force. Teletypewriter to transmitter converter. 3,381,087, 4-30-68, Cl. 178-26.
- Achter, Meyer R., H. H. Smith, R. J. Riley, and R. L. Stegman, to United States of America, Navy. Flexural fatigue machine. 3,374,662, 3-26-68, Cl. 73-87.4.
- Achuff, Nancy E., and T. F. Wood, to Givaudan Corp. Method of controlling weeds. 3,393,994, 7-23-68, Cl. 71-123.
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- Acker, Donald S., and A. L. Barney, to E. I. du Pont de Nemours and Co. Vulcanizable composition containing a thiocarboxylic acid fluoride polymer and a polyunsaturated compound. 3,378,604, 4-16-68, Cl. 260-874.
- Acker, Ellsworth G., to W. R. Grace & Co. Furfural resin coated siliceous material and process of making same. 3,377,189, 4-9-68, Cl. 117-62.
- Acker, George H., T. J. Gruber, and J. R. Leber, to Eaton Yale & Towne Inc. Dual pressure progressive valve structure. 3,409,104, 11-5-68, Cl. 184-7.
- Acker, Warren H., to Phillips Petroleum Co. Gas filter. 3,362,138, 1-9-68, Cl. 55-341.
- Ackerman, Allen D., R. R. Albertsart, and A. P. Siewert, to General Motors Corp. Process of preparing improved cast iron articles. 3,384,515, 5-21-68, Cl. 148-2.
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- Ackerman, Irving. Dual-purpose filter disk for coffeemakers. 3,386,586, 6-4-68, Cl. 210-477.
- Ackerman, Joseph I., Jr., to United Shoe Machinery Corp. Grommet assembly. 3,399,435, 9-3-68, Cl. 24-141.
- Ackerman, Martin S., to Perfect Film & Chemical Corp. Rechargeable stroboscopic flash attachment. 3,364,829, 1-23-68, Cl. 95-11.5.
- Ackerman, Marvin, to Hewlett-Packard Co. Optoelectric data readout device. 3,395,963, 8-6-68, Cl. 250-219.
- Ackerman, Philip W.: See—
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- Ackermann, Karl, deceased, by K. Siebert, representative of the heirs, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of highly active metals of the iron group. 3,418,263, 12-24-68, Cl. 252-472.
- Ackermann, Karl, and K. Paape, to Robert Bosch Elektronik und Photokino G.m.b.H. Cartridge receiving means for a tape recorder. 3,395,871, 8-6-68, Cl. 242-53.13.
- Ackermann, Otto, to D. D. Williamson & Co., Inc. Manufacture of caramel color. 3,385,733, 5-28-68, Cl. 127-34.
- Ackley, Edward L. Hydraulic gear motor. 3,364,819, 1-23-68, Cl. 91-92.
- Ackroyd, Ronald T., and M. A. Perks, to United Kingdom Atomic Energy Authority. Liquid reflector control for nuclear reactors. 3,383,285, 5-14-68, Cl. 176-18.
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- Acree, Ellick H., F. N. Case, and J. C. Dempsey, to United States of America, Atomic Energy Commission. "On-off" X-ray source. 3,387,136, 6-4-68, Cl. 250-106.
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- Adam, Gunter. Safety toe iron for ski bindings. 3,399,902, 9-3-68, Cl. 280-1135.
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- Adamczyk, Edward S. Indexing grinding feature. 3,416,264, 12-17-68, Cl. 51-216.
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- Adams, Andrew O., to Leach Corp. Shielded connector for preventing arcing and surface leakage. 3,366,780, 1-30-68, Cl. 174-151.
- Adams, Andrew O., to Leach Corp. Relay drive circuit. 3,418,541, 12-24-68, Cl. 317-156.
- Adams, Arthur H., and M. Bozocos, deceased by H. B. McKinney, and T. B. Fasano, A. Bozocos, by H. McKinney, and Z. H. Astor, executor of said A. H. Adams. Automatic shampoo apparatus. 3,416,517, 12-17-68, Cl. 128-65.
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- Adams, Charles J., to General Electric Co. Self-mating electric connector assembly. 3,411,127, 11-12-68, Cl. 339-47.
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- Adams, Charles R., to Shell Oil Co. Akylypyridine production. 3,412,096, 11-19-68, Cl. 260-290.
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- Adams, Doris E., 1/2 to H. L. Foster. Puzzle game. 3,402,934, 9-24-68, Cl. 273-156.
- Adams, Douglas P., to United States of America, Air Force. Nomographic computer scanning means including cantilever means to support the film memory. 3,369,126, 2-13-68, Cl. 250-219.
- Adams, Earl C., to System's Corp. Fuel metering system for vehicles. 3,410,134, 11-12-68, Cl. 78-113.
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- Adams, Edward R., to Commercial Filters Corp. Impregnated self-supporting honeycombed filter cartridge. 3,398,837, 8-27-68, Cl. 210-496.
- Adams, Edward R., and J. L. Shepherd, to Commercial Filters Corp. Filter cartridge winding apparatus. 3,398,904, 8-27-68, Cl. 242-18.
- Adams, Edward R., J. L. Shepherd, and J. V. Piacitelli, to Commercial Filters Corp. Apparatus for making filter tubes. 3,398,905, 8-27-68, Cl. 242-35.5.
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- Adams, Frederick J., to Cam Gear (Luton) Ltd. Power steering valve. 3,404,704, 10-8-68, Cl. 137—625.22.
- Adams, Frederick J., to Cam Gears (Luton) Ltd. Power steering and like systems. 3,405,623, 10-15-68, Cl. 60—52.
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- Adams, George C., to Rollform, Inc. Fire rated ceiling grid system. 3,390,997, 8-13-68, Cl. 287—189.36.
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- Adams, James, Jr., to Raybestos-Manhattan, Inc. Slip step pulley dynamometer for testing belts. 3,385,096, 5-28-68, Cl. 73—9.
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- Adams, Jay C., to Ranco Inc. Dryer control. 3,364,586, 1-23-68, Cl. 34—45.
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- Adams, John: See—
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- Adams, John, to North American Philips Co., Inc. Multipassage electron multiplier with potential differences between passageways. 3,387,137, 6-4-68, Cl. 250—213.
- Adams, John H., and L. Romanzzi, Jr., to American Safety Equipment Corp. Adapter device for releasable attachment of a shoulder strap to a lap-type safety belt. 3,369,842, 2-20-68, Cl. 297—389.
- Adams, John P.: See—
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- Adams, John S., Jr., to Monsanto Research Corp. Controlling fungi with iodobenzoyl halides. 3,409,723, 11-5-68, Cl. 424—315.
- Adams, John W., to Ingersoll-Rand Co. Mounting for tapping conduit plug drill. 3,376,030, 4-2-68, Cl. 266—42.
- Adams, Kenneth C., and G. W. Bernhoff, to Allis-Chalmers Mfg. Co. Adjustable lift link. 3,371,945, 3-5-68, Cl. 280—461.
- Adams, Leland D., Jr. Inflated life raft launching device. 3,383,721, 5-21-68, Cl. 9—30.
- Adams, Leland D., Jr. Life raft cradle. 3,387,811, 6-11-68, Cl. 248—146.
- Adams, Leon M., and C. E. Schuetz, to AMP, Inc. Encapsulation technique. 3,396,116, 8-6-68, Cl. 252—182.
- Adams, Marion F., to Inland Container Corp. Bulk pack for cold flow material. 3,385,504, 5-28-68, Cl. 229—23.
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- Adams, Matthew M., to Travis Plating Co. Decorative modular knob assembly for drawers, doors, cabinets, and the like. 3,371,373, 3-5-68, Cl. 16—121.
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- Adams, Nicholas M., to Nalco Chemical Co. Composition and method of agglomerating and stabilizing particulate matter by chemical treatment. 3,371,712, 3-5-68, Cl. 166—33.
- Adams, Norbert T. Mukerjee, and J. M. Smith, to General Electric Co. Semiconductor tunnel diode device. 3,375,416, 2-28-68, Cl. 317—234.
- Adams, Paul R., and J. W. Whitesel, to International Telephone and Telegraph Corp. One-two dimension converter control circuit for error correcting typewriter. 3,380,568, 4-30-68, Cl. 197—20.
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- Adams, Philip, B. R. Juliano, H. Fellich, and F. Baron, to Millmaster Onyx Corp. Process for preparing 2-ethyl-3-methyl pentanoic acid. 3,415,877, 12-10-68, Cl. 260—530.
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- Adams, Richard G., to J. P. Stevens & Co., Inc. Treatment of fibrous glass. 3,375,155, 3-26-68, Cl. 161—93.
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- Adams, Robert B., to Moore Products Co. Flow control apparatus. 3,373,759, 3-19-68, Cl. 137—81.5.
- Adams, Robert B., to Moore Products Co. Staged oscillating diverting valve. 3,402,728, 9-24-68, Cl. 137—81.5.
- Adams, Robert B., and T. J. Huslin, to Moore Products Co. Fluid control apparatus. 3,373,760, 3-19-68, Cl. 137—81.5.
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- Adams, Robert T., and R. O. Schildknecht, to Communication Systems, Inc. Simplified omega receiver utilizing photo-responsive correlator. 3,380,056, 4-23-68, Cl. 343—105.
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- Adams, Roger S. Helicopter hoist. 3,380,688, 4-30-68, Cl. 244—17.11.
- Adams, Roman A., to The A. B. Dick Co. Ink drop printer. 3,414,663, 12-3-68, Cl. 178—7.7.
- Adams, Roman A., and J. J. Maginot, Jr., to A. B. Dick Co. Facsimile system and vidicon rescanning during retrace. 3,369,252, 2-13-68, Cl. 346—75.
- Adams, Stanley A., to Adams Electronics, Inc. Delay line reactance device. 3,418,606, 12-24-68, Cl. 333—31.
- Adams, Stewart S.: See—
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- Adams, Thomas J., to American Cyanamid Co. Antistatic polyvinylchloride composition. 3,404,138, 10-1-68, Cl. 260—92.8.
- Adams, Thomas J., and F. J. Arthen, Jr., to American Cyanamid Co. Antistatics. 3,365,435, 1-23-68, Cl. 260—93.7.
- Adams, Vincent A., and L. J. Growney, to Continental Can Co., Inc. Hat box. 3,361,323, 1-2-68, Cl. 229—23.
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- Adams, William E., W. R. Bauer, and J. B. Schultheis, to Robertshaw Controls Co. Thermosetting switch support with thermoplastic bearing. 3,392,253, 7-9-68, Cl. 200—168.
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- Adamski, Max, Jr.: *See*—
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- Adams, William G., R. A. Bonnell, and R. H. Feucht, to The Goodyear Tire & Rubber Co. Expandable adapter. 3,396,918, 8-13-68, Cl. 242-72.
- Adank, Kurt, and D. A. Prins, to Geigy Chemical Corp. 8-(3'-aminopropyl)-11,12-dihydro-dibenzol[a,e]cyclo-octenes and salts thereof. 3,389,177, 6-18-68, Cl. 260-570.8.
- Adcox, William J., and W. V. Sheppard, to Coal Industry (Patents) Ltd. Mine roof supports. 3,370,431, 2-27-68, Cl. 61-45.
- Adcox, L. D., to Adcox-Smith Co. Separating and sorting apparatus. 3,410,403, 11-12-68, Cl. 209-73.
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- Addamiano, Arrigo, to General Electric Co. Silicon carbide luminescent material. 3,361,673, 1-2-68, Cl. 252-301.4.
- Addamiano, Arrigo, to General Electric Co. Single crystal phosphide production. 3,379,502, 4-23-68, Cl. 23-204.
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- Addington, Andrew C. Dough divider. 3,363,589, 1-16-68, Cl. 107-68.
- Addington, William F. Chain end interconnecting clasp. 3,407,456, 10-29-68, Cl. 24-232.
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- Addison, George E., to Universal Oil Products Co. Process for production of aromatic hydrocarbons. 3,387,052, 6-4-68, Cl. 260-668.
- Addison, George E., to Universal Oil Products Co. Process for producing aromatic hydrocarbons and liquefied petroleum gas. 3,389,075, 6-18-68, Cl. 208-66.
- Addison, George E., to Universal Oil Products Co. Aromatics production process. 3,398,083, 8-20-68, Cl. 208-87.
- Addison, James, Holders for rolls of sheet material. 3,407,980, 10-29-68, Cl. 225-76.
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- Addor, Roger W., to American Cyanamid Co. Novel phosphorylated 2-imino-1,3-dithioles. 3,364,230, 1-16-68, Cl. 260-327.
- Addor, Roger W., to American Cyanamid Co. Plant root-knot gall nematode control with 5-carbamoyloxyimino-1,3-dithianes. 3,365,361, 1-23-68, Cl. 167-33.
- Addor, Roger W., to American Cyanamid Co. Novel 2-imino-1,3-dithioles. 3,389,147, 6-18-68, Cl. 260-327.
- Addoms, John F. Jr., and C. B. McGough, to Aerojet-General Corp. Method of making composite ultra-thin metal platelet having precisely controlled pattern of flow passages therein. 3,413,704, 12-3-68, Cl. 29-157.
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- Adelaar, Hans H., J. L. Maure, and P. T. Chu, to International Standard Electric Corp. Data processing system. 3,378,818, 4-16-68, Cl. 340-172.5.
- Adelberger, William H. Sterile disposable plastic prefilled syringe. 3,380,450, 4-30-68, Cl. 128-218.
- Adell, Robert. Ornamental and protective molding for motor vehicle doors. 3,382,614, 5-14-68, Cl. 49-462.
- Adell, Robert. Ornamental and protective molding for motor vehicle doors. 3,382,615, 5-14-68, Cl. 49-462.
- Adell, Robert. Ornamental and protective molding for motor vehicle doors. 3,382,616, 5-14-68, Cl. 49-462.
- Adell, Robert. Tissue dispenser. 3,383,012, 5-14-68, Cl. 221-46.
- Adell, Robert, to U.S. Products Development. Stereo tape cartridge container. 3,385,643, 5-28-68, Cl. 312-348.
- Adell, Robert, to U.S. Products Development. Ornamental and protective molding for motor vehicle doors. 3,401,486, 9-17-68, Cl. 49-462.
- Adelman, Barnett R., to United Aircraft Corp. Rocket motor. 3,368,354, 2-13-68, Cl. 60-257.
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- Adler, Bertram. Optical display device. 3,415,590, 12-10-68, Cl. 350-158.
- Adler, Clarence E., to The Reliance Electric and Engineering Co. Indicating apparatus. 3,416,151, 12-10-68, Cl. 340-347.
- Adler, Cyrus. Directional wave spectra measuring devices. 3,367,181, 2-6-68, Cl. 73-170.
- Adler, David G., and R. J. Stankiewicz, to Sperry Rand Corp. Air bearing magnetic memory device. 3,371,329, 2-27-68, Cl. 340-174.1.
- Adler, Felix M. Method for constructing pressure vessels. 3,397,503, 8-20-68, Cl. 52-745.
- Adler, Felix M. Method for constructing a building including feeding a plurality of end connected column sections upwardly through a jack system. 3,416,284, 12-17-68, Cl. 52-745.
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- Adler, Harold. Dead-reckoning computer. 3,391,864, 7-9-68, Cl. 235-71.
- Adler, Karl, and G. Ducommun, to Biviator S.A. Electronic current reverser having single input controlling plural outputs. 3,379,898, 4-23-68, Cl. 307-244.
- Adler, Norwood A., to Kent Plastics Corp. Method of decorating a plastic article utilizing resist and decorative layers portions of which are removed by an adhesive film. 3,365,321, 1-23-68, Cl. 117-5.5.
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- Adler, Robert, to Zenith Radio Corp. Laser beam-soundwave techniques using curved acoustic waves. 3,373,880, 3-12-68, Cl. 332-7.51.
- Adler, Robert, to Zenith Radio Corp. Solid state traveling wave devices. 3,388,334, 6-11-68, Cl. 330-5.5.

- Adler, Robert, to Zenith Radio Corp. Ultrasonic transducer matching for bragg reflection scanning. 3,419,322, 12-31-68, Cl. 350-161.
- Adler, Ronald E. Edge lighted memorandum board. 3,388,243, 6-11-68, Cl. 240-2.
- Adler, William, to Servo Corp. of America. Suppressed carrier demodulation circuit. 3,375,453, 3-26-68, Cl. 329-145.
- Adlhart, Otto J., to Engelhard Industries, Inc. Fuel cell and process of using with ruthenium-tantalum alloy catalyst. 3,414,489, 12-3-68, Cl. 136-86.
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- Adihoch, Richard H., and R. H. Chapman, to Motorola, Inc. Pulse decoder-encoder system controlled by pulse and digit counters. 3,387,270, 6-4-68, Cl. 340-164.
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- Aebi, Claude M., and B. J. Serafin, to International Business Machines Corp. Process for producing improved diazotype elements. 3,386,826, 6-4-68, Cl. 96-91.
- Aebi, Claude M., and H. F. Herbrandson, to International Business Machines Corp. Thermo-developable light-sensitive diazo compositions and elements. 3,386,827, 6-4-68, Cl. 96-91.
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- Agers, Donnell W., and R. R. Swanson, to General Mills, Inc. Extraction of vanadium and molybdenum with a phenolic oxime. 3,415,616, 12-10-68, Cl. 23—22.
- Agett, Albert H., R. V. Carini, and R. F. Alverson, to American Saint-Gobain Corp. Glass sheet feeder for cutting and processing machines. 3,399,885, 9-3-68, Cl. 271—1.
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- Aghnides, Elie P. Tubeless tire with supplemental support. 3,367,381, 2-6-68, Cl. 152—158.
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- Agnello, Eugene J., G. D. Laubach, and W. T. Moreland, to Chas. Pfizer & Co., Inc. 6-fluoro-16-methylene steroid compounds and process. 3,376,294, 4-2-68, Cl. 260—239.55.
- Agnello, Richard W.: *See—*
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- Agnew, Kenneth L. Photographic reproduction in three dimensions. 3,399,993, 9-3-68, Cl. 96—27.
- Agnew, Norman F., to Fermico, Inc. Coded tone supervisory system. 3,396,370, 8-6-68, Cl. 340—163.
- Agnew, Patrick W., to Precision Hydraulics Ltd. Apparatus for tracing the contour of a shaped member. 3,399,600, 9-3-68, Cl. 90—62.
- Agnew, Robert J.: *See—*
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- Agostinone, Mario. Light-alloy piston with steel-armored grooves. 3,410,567, 11-12-68, Cl. 227—189.5.
- Agouri, Elias R., and H. Muller, to W. R. Grace & Co. Stabilization of polyamides. 3,384,615, 5-21-68, Cl. 260—45.9.
- Agren, Bengt A., to Svedia Dental-Industri AB. Rotary machine. 3,381,668, 5-7-68, Cl. 123—8.
- Agresta, Dano J., and B. H. Boettler, to The Cross Co. Oil seal assembling device. 3,399,446, 9-3-68, Cl. 29—200.
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- Agudach, Leon, J. Charrier, and C. Miguet, to Produits Chimiques Pechiney-Saint-Gobain. Falts comprising aluminum oxide that contains less than thirty percent alpha alumina. 3,386,934, 6-4-68, Cl. 260—23.7.
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- Ahern, William W., and W. H. Wainwright, to Geometrics, Inc. Spherical structural arrangement. 3,392,495, 7-16-68, Cl. 52—81.
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- Ahlborg, Nils K. G., to Stora Kopparbergs Bergslags Aktiebolag. Method for recovering chemicals from waste liquor obtained during the production of cellulose. 3,402,992, 9-24-68, Cl. 23—48.
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- Ahrns, Wilbur C., to Friden, Inc. Tabulating card reader input hopper feed structure. 3,409,293, 11-5-68, Cl. 271—42.
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- Ajloka, James S., to Hughes Aircraft Co. Multiple reflector antenna. 3,414,904, 12-8-68, Cl. 349-781.
- Ajovalasit, Pietro. Method and apparatus for spontaneous fire extinction in tanks of combustible or inflammable liquids. 3,415,323, 12-10-68, Cl. 189-1.
- Akaboshi, Michijiro, T. Kominami, S. Fukuda, and K. Urugami, to Kurashiki Rayon Co., Ltd. Method of mixing a relatively viscous liquid with a relatively non-viscous liquid. 3,386,981, 8-4-68, Cl. 260-91.3.
- Akal Electric Co., Ltd.: See—
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- Akashi, Tsuneo, M. Takahashi, F. Yamauchi, N. Tsubouchi, and T. Ohno, to Nippon Electric Co., Ltd. Piezoelectric lead zirconate titanate containing rhodium. 3,375,194, 3-26-68, Cl. 252-62.9.
- Akashi, Tsuneo, M. Takahashi, F. Yamauchi, N. Tsubouchi, and T. Ohno, to Nippon Electric Co., Ltd. Piezoelectric lead zirconate titanate ceramic with chromium and thorium additives. 3,376,226, 4-2-68, Cl. 252-62.9.
- Ake, Jean R. Final soak bath for processed silver halide prints. 3,404,004, 10-1-68, Cl. 96-50.
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- Aker, Jimmie E.: See—
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- Aker, John L., to King Radio Corp. Method and apparatus for digitally measuring distance. 3,412,400, 11-18-68, Cl. 343-7.3.
- Akerhielm, George J., and J. W. Endress, to Carrier Corp. Refrigeration machine. 3,416,327, 12-17-68, Cl. 62-115.
- Akerlund & Rausing, AB: See—
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- Akerman, Emanuel: See—
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- Akerman, Iwan E. R., to Atlas Copco Aktiebolag. Method and means for obtaining dry gas or air. 3,395,511, 8-6-68, Cl. 55-23.
- Akermanis, Andrey O. Auxiliary steering device for an out-board motor boat. 3,417,723, 12-24-68, Cl. 114-144.
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- Akesson-Rydin, Urban. Fastening device. 3,400,485, 9-10-68, Cl. 24-247.
- Akhagen, Rune V. Device of inflaming large-bore propelling charge. 3,396,659, 8-13-68, Cl. 102-70.
- Akimoto, Sakae: See—
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- Akin, Alfred A., Jr., to D. Bushnell. Telescope mounting for firearms. 3,406,455, 10-22-68, Cl. 33-50.
- Akin, Cavit, to Falstaff Brewing Corp. Continuous flow fermentation apparatus and process. 3,413,124, 11-26-68, Cl. 99-31.
- Akin, Cavit, to Falstaff Brewing Corp. Yeast removal from vessels by fluidity increase. 3,415,657, 12-10-68, Cl. 99-96.
- Akins, Herbert G., to International Harvester Co. Recirculating fluid in hydraulic systems having moving transmission components in the hydraulic reservoir. 3,411,293, 11-19-68, Cl. 60-52.
- Aklster, William D., and D. Wilson, to Redifon Air Trainers Ltd. Visual flight simulating systems. 3,363,332, 1-16-68, Cl. 35-12.
- Akita, Takeo, M. Imatomi, and H. Shindo, to Yawata Iron & Steel Co., Ltd., Nisshin Steel Co., Ltd., and Pacific Nickel Co., Ltd. Process for the production of chrome series and nickel-chrome series stainless steels. 3,366,474, 1-30-68, Cl. 75-136.5.
- Akita, Yoshio, T. Maeda, and T. Yada, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Segmented metal lined liquid storing underground tank. 3,404,500, 10-8-68, Cl. 52-249.
- Akita, Yoshio, T. Fujii, and M. Sasagawa, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Shield segment for covering the inner wall of the tunnel made of composite shell units. 3,415,063, 12-10-68, Cl. 61-45.
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- Aklin, George H., and E. L. Seidenberg, to Bausch & Lomb Inc. High magnification semi-apochromatic microscope objective of the fluorite type. 3,405,993, 10-16-68, Cl. 350-177.
- Akmenkalns, Ivars G., to International Business Machines Corp. Clamp circuit. 3,382,378, 5-7-68, Cl. 307-237.
- Akmenkalns, Ivars G., R. J. Wilfinger, and A. D. Wilson, to International Business Machines Corp. Four terminal electro optical logic device. 3,417,249, 12-17-68, Cl. 250-217.
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- Akutin, Modest S., L. A. Rodilylova, and S. L. Gershokhen, to Gosudarstvenny Nauchno-Issledovatel'skiy Institut Plastikskikh mass. Method of preparing phenolformaldehyde resins employing an organic solvent to dissolve the phenol. 3,419,527, 12-31-68, Cl. 260-57.
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- Alagy, Jacob, to Institut Français du Pétrole des Carburants et Lubrifiants. Process for manufacturing terephthalic acid. 3,387,027, 6-4-68, Cl. 260-524.