

# United States of America

## United States Patent and Trademark Office

# Nikon

**Reg. No. 7,470,091**

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**Int. Cl.: 7, 9, 11, 37, 40, 41, 42**

**Service Mark**

**Trademark**

**Principal Register**

NIKON CORPORATION (JAPAN CORPORATION)

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JAPAN

CLASS 7: Metalworking machines and tools; laser processing machines for metalworking; laser metalworking machines and tools and their parts and fittings; additive manufacturing machines, namely, 3D printers; laser welding machines; soldering and solder removing robots and their parts; industrial robots and their parts; MIG welding, Stick welding, TIG welding, Plasma arc welding, Electron beam and laser welding and Gas welding and soldering machines and their parts; semiconductor manufacturing machines and systems; wafer stages being parts for semiconductor manufacturing machines; ultraviolet irradiation apparatus for use in manufacture of semiconductors; light source illumination apparatus for use in ultraviolet irradiation of semiconductors during manufacture; exposure apparatus for manufacturing semiconductors and liquid crystal; semiconductor exposure apparatus in the nature of semiconductor lithography apparatus for use in the manufacture of semiconductors, and their parts and fittings; semiconductor drying, washing and etching apparatus and their parts; industrial robotic arms being parts of industrial robots and their parts and fittings; hydraulic actuators, pneumatic linear actuators, hydraulic linear actuators, electrohydraulic actuators, and thermal actuators and their parts and fittings, not for land vehicles; hydraulic actuators, pneumatic linear actuators, hydraulic linear actuators, electrohydraulic actuators, and thermal actuators and power transmissions with torque detection function, not for land vehicles; power transmissions and gearing, not for land vehicles; industrial robots and their parts and fittings; industrial robots; industrial robots incorporating robot vision, namely, visual guided industrial robots; material \*, namely, metal, ceramic, sintered material, semiconductor, diamond, glass, quartz and rubber, \* treatment machines and machine tools for manufacturing industrial parts and products by using robot vision; multipurpose grippers being parts of industrial robots; material \*, namely, metal, ceramic, sintered material, semiconductor, diamond, glass, quartz and rubber, \* treatment robots for manufacturing industrial parts and products by using robot vision; automatic machines and apparatus for cutting, drilling, polishing, blade sharpening and surface processing \* of metals, ceramics, sintered materials, semiconductors, diamonds, glass, quartz and rubber \*; industrial robots, namely, robots and robotic arms for manufacturing semiconductors; industrial robots, namely, robots and robotic arms for assembling electronic circuits; industrial robots, namely, robots and robotic arms for manufacturing electronic components; industrial robots, namely, laser metalworking robots

CLASS 9: Downloadable and recorded application software for controlling metalworking machinery and equipment in the field of additive manufacturing; 3D

*Coke Moya Smeat*

Acting Director of the United States Patent and Trademark Office



scanners; digital cameras; digital cameras for industrial use; three-dimensional form measuring apparatus in the nature of a 3D scanner; three-dimensional measuring apparatus in the nature of a 3D scanner; downloadable and recorded computer programs for three-dimensional image processing; cinematographic machines and apparatus; [ 3D measuring systems; ] glass, glass ceramics, fused silica and rock crystal sold as a component part of optical machines and apparatus; special glass and glass ceramics sold as a component part of optical machines and apparatus; optical lenses; optical filters; optical lenses for lasers; camera lens blanks; spectacle lens blanks; eyeglasses; calcium fluoride crystal sold as a component part of optical machines and apparatus; glass plates used as photomask substrates sold as components of semiconductor lithography devices, silicon wafers and semiconductors, and lithography devices for the manufacturing of flat panel displays; photomask boards, namely photomask circuit boards for integrated circuit manufacturing, photomask circuit boards for semiconductor manufacturing equipment, silicon wafers and semiconductor packages, and photomask circuit boards for component parts of exposure systems for flat panel display (FPD) manufacturing equipment; lenses for industrial cameras; optical lenses for optical machines and apparatus; objectives being optical lenses; optical lenses for use in measuring or testing machines and instruments; camera lenses for inspecting printed circuit boards; camera lenses for inspecting industrial components; silicon wafers; objective lenses for manufacturing semiconductor wafers; optical lenses for manufacturing semiconductor wafers; electro-optical instruments for use in inspection and measurement of semiconductors, and their parts and fittings; light source illumination machines for use in illuminating semiconductors for inspection; light source illumination machines for use in illuminating CCD for inspection; electronic machines, namely, electric actuators, rotary actuators, linear actuators, magnetic actuators, mechanical actuators, and soft actuators; electron tubes; semiconductor devices; electronic circuits, other than those recorded with computer programs; recorded and downloadable computer programs for periodic maintenance in the field of mercury lamps, projection lens, wafer stage, and wafer loader as parts of semiconductor lithography devices; semiconductor wafers; integrated circuit modules; electronic chips for the manufacture of integrated circuits; cards bearing integrated circuits; downloadable and recorded computer software for processing semiconductor wafers; solid state drives; semiconductor memories; hard disk surface inspection apparatus; optical disk inspection apparatus; testing apparatus for inspecting defection of electrical circuit parts and circuit boards; printed circuit board inspection apparatus and their parts; optical sensors; lasers, not for medical purposes; lasers, not for medical purposes, namely, quantum cascade lasers; [ optical elements; ] laser diodes; laser diode modules; lasers for industrial use in the nature of laser optical scanning, lithographing, aligning and inspection machines; lasers for industrial use in the nature of laser measuring and testing machines; smart cameras and their parts and fittings; image processing cameras and their parts and fittings; optical inspection apparatus equipped with cameras with image-processing capabilities for monitoring operation defects inside a machine tool, optical inspection apparatus equipped with cameras with image-processing capabilities for monitoring defects in the manufacturing process, optical inspection apparatus equipped with cameras with image-processing capabilities to detect defects in adhesive application, and optical inspection apparatus equipped with cameras with image-processing capabilities that records the process such as a process recorder; image processing apparatus and their parts and fittings with integrated cameras; recorded and downloadable computer software for use in smart cameras and integrated cameras in inspection and image processing apparatus, their parts and fittings, for image processing; industrial cameras and their parts and fittings; downloadable and recorded computer programs and computer software for image processing and image analysis; data processing apparatus and their parts and fittings; electronic cameras and their parts and fittings; micrometers; electronic pulse counters to allow users to check if encoders emit, receive, and modulate signals, by counting pulses of these signals; thermal printers; absolute encoders; linear encoders; optical profilers; torque sensors; torque detectors; detectors and vision sensors for robot vision systems; computer hardware, in particular, detectors and vision sensors for robot vision systems and computer software; image processing apparatus for robot vision systems; cameras; downloadable and recorded computer software for controlling optical

sensors; sensor control apparatus, namely, robot control apparatus, for processing information collected with sensors, recognizing objects, generating paths, and adjusting grasping positions and parameters and by measuring spatial position coordinates; computer hardware and downloadable and recorded computer software for robots; computer hardware and downloadable and recorded computer software for machine vision, sensors, detectors and monitoring equipment; downloadable and recorded computer software for apparatus for measuring, detecting, monitoring and controlling; downloadable and recorded computer programs for recorded data management; electronic storage devices, namely, computer memory devices and memory media recorded with computer programs for recorded data management; computer hardware; downloadable and recorded computer software for operating, managing, surveying, searching, indexing and monitoring computer; downloadable and recorded computer software for search engines; instruction manuals being downloadable and recorded electronic publications sold with computer software; hardware and downloadable and recorded software for three-dimensional camera systems; video image processing apparatus; circuit boards for video image processing; computer hardware and downloadable and recorded computer software for improving and providing real-time transfer, transmission, receipt, process, and digitalization of audio and video graphics information; photomasks

#### CLASS 11: Mercury lamps

CLASS 37: Repair or maintenance of metalworking machines and tools and their parts and providing information relating thereto; installation, maintenance and repair of molding machines; repair or maintenance of soldering machines and their parts and providing information relating thereto; repair or maintenance of industrial robots and their parts and providing information relating thereto; repair or maintenance of cinematographic machines and apparatus; repair or maintenance of optical machines and apparatus; repair or maintenance of photographic machines and apparatus; repair or maintenance of electronic machines and apparatus; repair or maintenance of telecommunication machines and apparatus; repair or maintenance of measuring and testing machines and instruments; repair or maintenance of 3D scanners and providing information relating thereto; repair or maintenance of digital cameras and providing information relating thereto; repair or maintenance of industrial digital cameras and providing information relating thereto; repair or maintenance of three-dimensional form measuring apparatus in manufacturing robots in the nature of apparatus that operate robotic vision, robotic optical recognition of workpieces and robotic spatial positioning functions; technical support services, namely, troubleshooting of problems in the nature of repair of computer hardware and computer network hardware

CLASS 40: Custom processing of optical lenses; providing technical information in the field of custom manufacturing of semiconductor; custom manufacturing of semiconductors and integrated circuits; technical consultancy in the field of custom manufacturing of semiconductors and integrated circuits; rental of humidifiers for industrial purposes; rental of air purifiers for industrial purposes; rental of air conditioners for industrial purposes; metal treating; additive manufacturing of metals for others; custom additive manufacturing of metals; custom-designed additive manufacturing of parts of resins, plastics, metals, glass or ceramics; additive manufacturing of metals by laser sintering for others; rental of metalworking machine tools; laser processing of metals; test production of metal molded articles for others; 3D printing for others; providing comprehensive material treatment information in the field of metal, glass, plastic, resin, ceramic, stone, semiconductors, rubber, optical glass, quartz glass, diamonds, sapphires, silicon, alumina, zirconia, sintered structural components, titanium alloy, stainless steel, high-speed steel, nickel based alloys, carbon steel, chromium molybdenum, zinc, brass, chromium copper, aluminum alloy, copper, gold, platinum, aluminum, tungsten, die copper, pure titanium, silicon nitride, silicon carbide, aluminum nitride, and hard metal alloy; laser processing of metal surfaces; laser processing of glass surfaces; laser processing of plastic surfaces; laser processing of synthetic resin surfaces; laser processing of ceramic surfaces; laser processing of

stone surfaces; laser processing of glass; laser processing of plastics; laser processing of synthetic resins; laser processing of ceramics; laser processing of semiconductors; laser processing of stones; laser removing of coating on metals; laser removing of coating on glass; laser removing of coating on plastics; laser removing of coating on semiconductors; laser removing of coating on stones; rental of machines and apparatus for laser processing of metal surfaces; rental of machines and apparatus for laser processing of glass surfaces; rental of machines and apparatus for laser processing of plastic surfaces; rental of machines and apparatus for laser processing of semiconductor surfaces; rental of machines and apparatus for laser processing of stone surfaces; rental of laser metal processing machines and apparatus; rental of laser glass processing machines and apparatus; rental of laser plastic processing machines and apparatus; rental of laser semiconductor manufacturing machines and systems; rental of laser stone processing machines and apparatus; processing of rubber; processing of plastics; ceramic processing; stone treating; processing of glass, resin, semiconductors, optical glass, quartz glass, diamonds, sapphires, silicon, alumina, zirconia, sintered structural components, titanium alloy, stainless steel, high-speed steel, nickel based alloys, carbon steel, chromium molybdenum, zinc, brass, chromium copper, aluminum alloy, copper, gold, platinum, aluminum, tungsten, die copper, pure titanium, silicon nitride, silicon carbide, aluminum nitride, and hard metal alloy; consultancy in relation to additive manufacturing of metals; information and advisory services in relation to laser processing of metals and synthetic resins; information and advisory services in relation to laser processing of surfaces of metals, glass, plastics, synthetic resins, ceramics and stones; information and advisory services in relation to laser processing of metals, glass, plastics, synthetic resins, ceramics and stones; information and advisory services in relation to laser processing of materials \* , namely, sintered materials, semiconductors, diamonds, quartz and rubber \* ; soldering; rental of soldering apparatus and their parts; rental of metal treating machines and tools

CLASS 41: Rental of digital cameras; rental of industrial digital cameras

CLASS 42: Research in the area of semiconductor processing technology; design and development of semiconductors and integrated circuits and consultancy relating thereto; design, creation, and maintenance of computer programs; computer software design for others; computer software consulting; computer software design for others; computer software consulting; research and development of new products; design and development of new products and design and development of services utilizing metal additive manufacturing for others; providing temporary use of online non-downloadable computer programs via data networks for managing recorded data, hardware, systems, and algorithms related to 3D measurement and image processing; providing virtual computer systems through cloud computing for use in confirming lists of apparatuses, engine connection status, operating status monitoring function, operating history management, automatic collection of parameter, work model data, local upload, download of data, log function, automatic collection of abnormalities, display of statistics [display of anomalies], data display when an abnormality occurs, anomaly analysis functions in the nature of emulators, and visual programming in the fields of aerospace, automobiles, construction machinery, heavy industries, infrastructure, precision equipment, food products, and medical products; rental of measuring apparatus; repair or maintenance of computer programs for three-dimensional image processing and information services relating thereto; rental of computer programs for three-dimensional image processing; rental of three-dimensional form measuring apparatus; rental of three-dimensional measuring apparatus; rental of 3D scanners; research, design and development of computer software for controlling industrial automation equipment; research, design and development of software for robotic process automation for controlling industrial automation equipment; design and development of computer software in the nature of a central system for supporting simultaneous use of multiple robots; rental of computers; consultancy in the field of design or maintenance of computer programs relating to robot vision systems that work by using robots; computer analysis of technical data in the field of aerospace, automotive, construction equipment, heavy industry, infrastructure, and precision

equipment; computer system design and analysis; computer-aided industrial analysis services in the field of aerospace, automotive, construction equipment, heavy industry, infrastructure, and precision equipment; research and development services relating to computer hardware and software; designing of machines, apparatus, instruments, including their parts, or systems composed of such machines, apparatus and instruments; providing temporary use of on-line non-downloadable computer programs via data networks for managing recorded data; computer software design; consultancy services in the field of design, selection, implementation and use of computer hardware for others; design and development of computer hardware; technical support services, namely, troubleshooting in the nature of diagnosing computer software and computer network software problems; technical support, namely, technical advice relating to the maintenance of computer software; hosting computer application software of others by application service provider; technological consultancy in the field of information technology; technological consultancy relating to information technology; technological consultancy relating to design of computers and computer programs for others; development, upgrading and maintenance of software database systems for others; installation, maintenance and repair of software for computer systems; monitoring of computer systems and computer systems relating to information technology by remote access to ensure proper functioning and information and consultancy services relating thereto; cloud computing featuring software for data analysis, problem resolution and system management; technical support services, namely, troubleshooting in the nature of diagnosing problems relating to computer applications, computer systems, computer networks and other information technology; collection, remote monitoring and analysis of computer data by computer applications, computer systems, computer networks for IT business, IT application management, IT security and IT compliance management; consultancy relating to IT project management; technological consultancy in relation to additive manufacturing of metals, in particular material selection

THE MARK CONSISTS OF STANDARD CHARACTERS WITHOUT CLAIM TO ANY PARTICULAR FONT STYLE, SIZE OR COLOR

PRIORITY DATE OF 03-09-2022 IS CLAIMED

OWNER OF INTERNATIONAL REGISTRATION 1696281 DATED 04-01-2022, EXPIRES 04-01-2032

SER. NO. 79-355,422, FILED 04-01-2022

## REQUIREMENTS TO MAINTAIN YOUR FEDERAL TRADEMARK REGISTRATION

**WARNING: YOUR REGISTRATION WILL BE CANCELLED IF YOU DO NOT FILE THE DOCUMENTS BELOW DURING THE SPECIFIED TIME PERIODS.**

### Requirements in the First Ten Years\*

#### What and When to File:

- **First Filing Deadline:** You must file a Declaration of Use (or Excusable Nonuse) between the 5th and 6th years after the registration date. See 15 U.S.C. §§1058, 1141k. If the declaration is accepted, the registration will continue in force for the remainder of the ten-year period, calculated from the registration date, unless cancelled by an order of the Commissioner for Trademarks or a federal court.
- **Second Filing Deadline:** You must file a Declaration of Use (or Excusable Nonuse) and an Application for Renewal between the 9th and 10th years after the registration date.\* See 15 U.S.C. §1059.

### Requirements in Successive Ten-Year Periods\*

#### What and When to File:

- You must file a Declaration of Use (or Excusable Nonuse) and an Application for Renewal between every 9th and 10th-year period, calculated from the registration date.\*

### Grace Period Filings\*

The above documents will be accepted as timely if filed within six months after the deadlines listed above with the payment of an additional fee.

**\*ATTENTION MADRID PROTOCOL REGISTRANTS:** The holder of an international registration with an extension of protection to the United States under the Madrid Protocol must timely file the Declarations of Use (or Excusable Nonuse) referenced above directly with the United States Patent and Trademark Office (USPTO). The time periods for filing are based on the U.S. registration date (not the international registration date). The deadlines and grace periods for the Declarations of Use (or Excusable Nonuse) are identical to those for nationally issued registrations. See 15 U.S.C. §§1058, 1141k. However, owners of international registrations do not file renewal applications at the USPTO. Instead, the holder must file a renewal of the underlying international registration at the International Bureau of the World Intellectual Property Organization, under Article 7 of the Madrid Protocol, before the expiration of each ten-year term of protection, calculated from the date of the international registration. See 15 U.S.C. §1141j. For more information and renewal forms for the international registration, see <http://www.wipo.int/madrid/en/>.

**NOTE:** Fees and requirements for maintaining registrations are subject to change. Please check the USPTO website for further information. With the exception of renewal applications for registered extensions of protection, you can file the registration maintenance documents referenced above online at <http://www.uspto.gov>.

**NOTE:** A courtesy e-mail reminder of USPTO maintenance filing deadlines will be sent to trademark owners/holders who authorize e-mail communication and maintain a current e-mail address with the USPTO. To ensure that e-mail is authorized and your address is current, please use the Trademark Electronic Application System (TEAS) Correspondence Address and Change of Owner Address Forms available at <http://www.uspto.gov>.