

# United States of America

United States Patent and Trademark Office

# cts

**Reg. No. 5,728,161**

**Registered Apr. 16, 2019**

**Int. Cl.: 9, 12, 40, 42**

**Service Mark**

**Trademark**

**Principal Register**

CTS Corporation (INDIANA CORPORATION)  
4925 Indiana Ave.  
Lisle, ILLINOIS 60532

CLASS 9: ELECTROMECHANICAL AND ELECTRONIC CONTROL AND SENSOR PRODUCTS AND ASSEMBLIES, NAMELY, ELECTRIC ACTUATORS, EXHAUST GAS RECIRCULATION SENSORS, AIR INTAKE SENSORS, TURBOCHARGER POSITION SENSORS, TRANSMISSION POSITION SENSORS, ROTARY AND LINEAR POSITION SENSORS, THROTTLE POSITION SENSORS, PEDAL POSITION SENSORS, SEAT POSITION SENSORS, SEAT BELT TENSION SENSORS, FUEL LEVEL SENSORS, MANIFOLD POSITION SENSORS, SUSPENSION/CHASSIS POSITION SENSORS, HEADLIGHT POSITION SENSORS, WASTEGATE POSITION SENSORS, CURRENT SENSORS, WHEEL SPEED SENSORS, KNOCK SENSORS, CAM/CRANK SENSORS, CLUTCH/BRAKE PEDAL POSITION SENSORS, AND SEAT TRACK POSITION SENSORS; ELECTRONIC FREQUENCY CONTROL COMPONENTS AND PRODUCTS, NAMELY, FINISHED QUARTZ CRYSTALS, CLOCK OSCILLATORS, VOLTAGE CONTROLLED CRYSTAL OSCILLATORS, VOLTAGE CONTROLLED SAW OSCILLATORS, TEMPERATURE CONTROLLED CRYSTAL OSCILLATORS, AND OVENIZED CRYSTAL OSCILLATORS; ELECTRONIC FREQUENCY MODULES, NAMELY, VOLTAGE CONTROLLED OSCILLATORS, VOLTAGE CONTROLLED OSCILLATOR/PHASE-LOCKED-LOOP SYNTHESIZERS, FREQUENCY TRANSLATORS, JITTER ATTENUATORS, CLOCK GENERATORS, AND FILTER MODULES; CERAMIC ELECTRONIC FREQUENCY COMPONENTS AND PRODUCTS, NAMELY, MONOBLOCK FILTERS, MONOBLOCK DUPLEXERS, MONOBLOCK DIPLEXERS, WAVEGUIDE FILTERS, EMI/RFI FILTERS, RESONATOR FILTERS, COAXIAL RESONATORS, CAPACITORS, AND TERMINAL BLOCKS; PIEZOELECTRIC CERAMIC ELECTRONIC COMPONENTS FOR USE IN TRANSDUCERS, PRINTERS, HYDROPHONES, ACTUATOR, SENSORS, ACCELEROMETERS, VIBRATION CONTROL DEVICES, BIMORPHS, AND PUMPS, NAMELY, PIEZOELECTRIC CERAMIC ELEMENTS AND DEVICES; ELECTRONIC RESISTOR PRODUCTS, NAMELY, BALL-GRID-ARRAY TYPE TERMINATORS, RESISTOR NETWORKS AND ARRAYS, CURRENT SENSING RESISTORS, VARIABLE RESISTORS, CERAMIC RESISTORS, AND CHIP RESISTORS; ELECTROMECHANICAL PRODUCTS AND ASSEMBLIES COMPRISING TRIMMERS, POTENTIOMETERS, ENCODERS, JOYSTICKS, AND SWITCHES, NAMELY, DIP SWITCHES, SELECTOR SWITCHES, POWER SWITCHES, SLIDE SWITCHES, TACTILE SWITCHES, ROTARY SWITCHES, CYLINDER SWITCHES, SEAT BELT BUCKLE SWITCHES, AND BRAKE SWITCHES; THERMAL MANAGEMENT



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Director of the United States  
Patent and Trademark Office

PRODUCTS FOR THE TRANSFER OF HEAT GENERATED BY ELECTRONIC COMPONENTS, NAMELY, HEAT SINKS, FANSINKS, HEAT DISSIPATORS, CIRCUIT BOARD RETAINERS, AND HEAT FRAMES; INTEGRATED CIRCUITS, NAMELY, BUFFER AND TRANSLATOR INTEGRATED CIRCUITS, CAPACITIVE TUNING INTEGRATED CIRCUITS, COAXIAL CABLE DRIVER INTEGRATED CIRCUITS, TRANSLATOR INTEGRATED CIRCUITS, MULTIPLEXER INTEGRATED CIRCUITS, AND BUFFER INTEGRATED CIRCUITS; AND ULTRASONIC TRANSDUCERS FOR NON-DESTRUCTIVE TESTING, FLAW DETECTION, THICKNESS GAUGING, AND REFRACTIVE CRACK DETECTION

FIRST USE 4-14-2016; IN COMMERCE 4-14-2016

CLASS 12: PEDAL ASSEMBLIES FOR LAND VEHICLES

FIRST USE 4-16-2016; IN COMMERCE 4-16-2016

CLASS 40: PROTOTYPING FOR OTHERS OF PRODUCTS IN THE FIELD OF PIEZOELECTRIC CERAMIC ELECTRONIC COMPONENTS, NAMELY, PROTOTYPING PIEZOELECTRIC CERAMIC ELEMENTS AND DEVICES; AND MANUFACTURE OF PIEZOELECTRIC CERAMIC ELECTRONIC COMPONENTS FOR OTHERS, NAMELY, PIEZOELECTRIC CERAMIC ELEMENTS AND DEVICES

FIRST USE 4-14-2016; IN COMMERCE 4-14-2016

CLASS 42: DESIGN, ENGINEERING, AND TESTING OF PRODUCTS IN THE FIELD OF PIEZOELECTRIC CERAMIC ELECTRONIC COMPONENTS, NAMELY, DESIGN, ENGINEERING, AND TESTING OF PIEZOELECTRIC CERAMIC ELEMENTS AND DEVICES

FIRST USE 4-14-2016; IN COMMERCE 4-14-2016

The mark consists of the lower case letters "c", "t", and "s" with two boxes forming the top portion of the letter "t".

OWNER OF U.S. REG. NO. 2252681, 0663452, 3548831

SER. NO. 86-817,121, FILED 11-11-2015

**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>.**