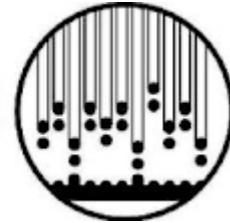


# United States of America

## United States Patent and Trademark Office

High Laydown  
TECHNOLOGY



**Reg. No. 7,574,863**

**Registered Nov. 26, 2024**

**Corrected May 27, 2025**

**Int. Cl.: 7, 9**

**Trademark**

**Principal Register**

Xaar Plc (UNITED KINGDOM PUBLIC LIMITED COMPANY)  
c/o Xaar Intellectual Property Team,  
Ermine Business Park, 1 Hurricane Close Huntingdon PE29 6XX  
UNITED KINGDOM

CLASS 7: Machines for the purposes of printing being industrial printers for printing graphical and textual images, functional coatings, cosmetic coatings, and functional patterns; motors and engines, except for land vehicles; machine coupling and transmission components, except for land vehicles; 3D printers; industrial printing machines; parts of machines, namely, powder delivery apparatus for 3D printing machines; parts of machines, namely, powder delivery apparatus for printing machines for the formation of three-dimensional objects from a powder bed; parts of machines, namely, powder recirculation apparatus for 3D printing machines; parts of machines, namely, powder spreading apparatus for 3D printing machines; Industrial printing machines in the nature of computer-controlled industrial printers; bookbinding machines for industrial purposes; ink reservoirs being part of printing machines; industrial ink-jet printing machines, and inking apparatus for printing machines; industrial ink-jet printing machines and inking apparatus for printing machines for industrial use; offset printers; paper cutters in the nature of paper cutting machines and feeding machines in the nature of machines for feeding paper into commercial printing machines; storage containers for use with printing machines in the nature of ink reservoirs sold empty being structural parts of industrial printing machines; apparatus for ink and coloured media in the nature of ink reservoirs sold empty being structural parts of industrial printing machines; printer control systems in the nature of pneumatic controls for machines, motors and engines; print head cleaning apparatus in the nature of machines for cleaning industrial print heads; industrial printing machines for printshops; printhead components for industrial printing machines, namely, nozzle plates; printheads for industrial ink-jet printing machines; printheads for industrial printing machines and ink management and supply systems comprised of ink circulators, electric contacts for ink management and circuit driver boards for industrial printing machines; printing cylinders being parts of industrial printing machines; printing ink supply systems being parts of industrial printing machines comprised primarily of ink reservoirs, ink pumps and ink connectors; printing plates; printing presses; printing rollers; gravure printing machines; hot print foiling machines being industrial printing machines; labellers, namely, industrial label printing machines; machines in the nature of powder applying apparatus for industrial printing machines; silk screen printing machines; tools for use in packaging being packaging machines; UV printing machines for commercial or industrial use, and industrial conductive fluid printing machines; power operated, integrated print head cleaning appliances in the nature of machines for cleaning industrial print heads; \* print heads for industrial inkjet printers \* parts and fittings, namely, structural replacement parts for all the aforesaid goods

*Coke Moya Smead*

Acting Director of the United States Patent and Trademark Office



CLASS 9: downloadable computer software for operating 3D printing machines and associated materials and equipment, and computers and computer peripheral devices for 3D printing machines and associated materials and equipment; computers and computer hardware for printing; optical, weighing, measuring, signalling, detecting, testing and inspecting apparatus and instruments for 3D printing machines, namely, digital transmitters; component parts for printers, namely, ink supply components for use with printers, namely, unfilled ink cartridges; computer hardware for use with print heads; computer interface components for printers, namely, computer network interface devices; downloadable computer software for controlling print quality of printers; downloadable computer software for reporting ink temperature of printers; downloadable computer software for reporting status of the print head in printing; downloadable computer software for use in adjusting print quality of printers; downloadable computer software for use in connection with printers, namely, for operating printers; downloadable computer software for use with print heads, namely, for operating and controlling print heads; computer hardware for controlling print quality; computer hardware for reporting ink temperature; computer hardware for reporting status of the print head in printing; computer hardware for use in adjusting print quality; computer hardware for use in printing or in connection with printers; electric changeover switches in printers; recorded and downloadable firmware for optimizing performance of print heads; electronic control units for controlling ink flow rates, ink temperature and pressure; ink jet document printers; ink management and supply systems comprised of ink pumps being structural parts of computer printers for documents; printer control systems comprised of connection cables and printer interfaces in the nature of computer network interface devices; ink-supply system, unfilled, comprised of ink reservoirs, ink pumps, ink supply lines and ink connectors, being parts of ink jet document printers; print heads for computer printers for printing documents; print heads for ink-jet document printers; [ print heads for industrial inkjet printers; ] computer hardware, namely, printer buffers; printer programmes, namely downloadable software for installing print drivers for operating printers; document printers for computers; print heads for document printers; downloadable software for controlling print heads for document printers; downloadable controlling software for computer printers for printing documents; digital colour document printers; downloadable electronic publications, namely, books, manuals, newsletters, and reports in the field of printing; downloadable software applications for use with operating three dimensional printers; laser document printers; laser colour printers for documents; thermal printers; datapath systems comprised of data processors, computer memory hardware, input and output devices for computers; datapath systems and components for print heads, namely, data processors, computer memory hardware, input and output devices for computers; parts and fittings for the aforesaid goods, namely, ink reservoirs, ink pumps, ink supply lines and ink connectors, all unfilled, and printer control systems comprised of connection cables and printer interfaces in the nature of computer network interface devices

The mark consists of the stylized wording "HIGH LAYDOWN" with "TECHNOLOGY" immediately below; to the right of the wording is a design representing the interior of a printer consisting of a circle within which are vertical bars from the bottom of which are droplets of ink coming out and resting along the bottom edge of the circle.

PRIORITY DATE OF 12-16-2022 IS CLAIMED

OWNER OF INTERNATIONAL REGISTRATION 1763162 DATED 06-12-2023,  
EXPIRES 06-12-2033

No claim is made to the exclusive right to use the following apart from the mark as shown: TECHNOLOGY

SER. NO. 79-384,008, FILED 06-12-2023

## **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>.