

Title (en)

TOP LOADING CARTRIDGE FOR AN INKJET TECHNOLOGY AEROSOL SMOKING SYSTEM

Title (de)

VON OBEN BEFÜLLBARE KARTUSCHE FÜR EIN AEROSOLRAUCHSYSTEM IN TINTENSTRAHLTECHNOLOGIE

Title (fr)

CARTOUCHE À CHARGEMENT PAR LE HAUT POUR UN SYSTÈME DE FUMAGE D'AÉROSOL À TECHNOLOGIE À JET D'ENCRE

Publication

**EP 4366570 A1 20240515 (EN)**

Application

**EP 22747760 A 20220707**

Priority

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- IB 2022056279 W 20220707

Abstract (en)

[origin: WO2023281435A1] An aerosol smoking system (100), comprising a smoking liquid cartridge (101) and an inkjet technology aerosol generation apparatus. The aerosol generation apparatus is configured to load the cartridge on a docking surface on its outer periphery and a die of the inkjet technology aerosol generation apparatus is located on the docking surface, and the aerosol generation apparatus further comprises a piercing pin protruding above the docking surface to bring smoking liquid from the cartridge to the inside of the aerosol generation apparatus. The smoking liquid cartridge comprises a smoking liquid container, a frame configured to hold the smoking liquid container inside a periphery of the frame, an extracting structure comprising a foam and a membrane, the extracting structure being located in the frame and in contact with the smoking liquid container such that the foam is enabled to contact smoking liquid from within the smoking liquid container and the membrane forms a wall adjacent to the foam on an outer periphery of the frame such that smoking liquid may transit through the foam to the membrane, a wiper mounted to the frame such to come into contact with the docking surface and configured to wipe the die before the smoking liquid cartridge is loaded on the docking surface, and a mouthpiece. The smoking liquid container is shaped such to form a passage for aerosols flowing between the die and the mouthpiece, and in the aerosol generation apparatus, the piercing pin is further configured to pierce the membrane.

IPC 8 full level

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CPC (source: EP US)

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