

Title (en)
A CARTRIDGE FOR A VAPOUR GENERATING SYSTEM

Title (de)
KARTUSCHE FÜR EIN DAMPFERZEUGUNGSSYSTEM

Title (fr)
CARTOUCHE POUR SYSTÈME DE GÉNÉRATION DE VAPEUR

Publication
EP 4192290 A1 20230614 (EN)

Application
EP 21758655 A 20210809

Priority
• CN 2020108278 W 20200810
• EP 2021072137 W 20210809

Abstract (en)
[origin: WO2022034008A1] A cartridge (2) for a vapour generating system, such as an e-cigarette, comprises a vaporization chamber (22) in which liquid is vaporized from a heater surface (28) to mix with a flow of air (40) through the vaporization chamber (22). An inlet channel (14) between an air inlet (12) and the vaporization chamber (22) is convoluted such that it follows at least two directions transverse to the length of the cartridge (2) and provides no straight path for condensed liquid in the vaporization chamber 22 to leak back out of the air inlet (12). Because the inlet channel (14) enters the vaporization chamber (22) in a transverse direction, the airflow through the chamber (22) is substantially parallel to the heater surface (28) and promotes even vaporization of liquid across the whole area of the surface (28).

IPC 8 full level
A24F 40/42 (2020.01); **A24F 40/46** (2020.01); **A24F 40/485** (2020.01)

CPC (source: EP US)
A24F 40/42 (2020.01 - EP US); **A24F 40/46** (2020.01 - EP US); **A24F 40/485** (2020.01 - EP); **A24F 40/50** (2020.01 - US)

Citation (search report)
See references of WO 2022034008A1

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BA ME

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KH MA MD TN

DOCDB simple family (publication)
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