

Title (en)
ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREOF

Title (de)
ELEKTRONISCHE VERDAMPFUNGSVORRICHTUNG UND VERDAMPFER DAVON

Title (fr)
DISPOSITIF DE VAPORISATION ÉLECTRONIQUE ET VAPORISATEUR ASSOCIÉ

Publication
EP 4115755 A1 20230111 (EN)

Application
EP 22182225 A 20220630

Priority
CN 202121545354 U 20210707

Abstract (en)
The present disclosure discloses an electronic vaporization device and a vaporizer thereof. The vaporizer includes a first air outlet channel and a vaporization cavity that are in communication with each other, and further includes a liquid guide member. The liquid guide member is arranged on the end of the first air outlet channel that is close to the vaporization cavity; and the liquid guide member is configured to be in contact with condensate falling off from the first air outlet channel, to destroy surface tension of condensate through a downward pulling force, and to guide condensate into the vaporization cavity. Therefore, generation of condensate is prevented or reduced, and secondary vaporization may be performed on condensate falling off from the first air outlet channel, thereby improving the user experience.

IPC 8 full level
A24F 40/485 (2020.01)

CPC (source: EP KR US)
A24F 40/10 (2020.01 - KR US); **A24F 40/42** (2020.01 - US); **A24F 40/44** (2020.01 - KR); **A24F 40/48** (2020.01 - KR);
A24F 40/485 (2020.01 - EP KR US); **A24F 40/10** (2020.01 - EP); **A24F 40/46** (2020.01 - KR)

Citation (search report)
• [XAY] WO 2020176901 A2 20200903 - JUUL LABS INC [US], et al
• [XA] WO 2021062779 A1 20210408 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
• [YA] JP 6073240 B2 20170201

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4115755 A1 20230111; CN 216088897 U 20220322; JP 2023010654 A 20230120; JP 7449335 B2 20240313; KR 20230008608 A 20230116;
US 2023009024 A1 20230112

DOCDB simple family (application)
EP 22182225 A 20220630; CN 202121545354 U 20210707; JP 2022108993 A 20220706; KR 20220079259 A 20220628;
US 202217857365 A 20220705