

Title (en)  
VAPORIZER AND ELECTRONIC VAPORIZATION DEVICE

Title (de)  
VERDAMPFER UND ELEKTRONISCHE VERDAMPFUNGSVORRICHTUNG

Title (fr)  
VAPORISATEUR ET DISPOSITIF DE VAPORISATION ÉLECTRONIQUE

Publication  
**EP 4248779 A4 20240522 (EN)**

Application  
**EP 21893947 A 20211117**

Priority  
• CN 202011282645 A 20201117  
• CN 2021131239 W 20211117

Abstract (en)  
[origin: EP4248779A1] This application provides a vaporizer and an electronic vaporization device. The vaporizer includes an outer housing with a vertical direction and a horizontal direction. The outer housing is internally provided with: a liquid storage cavity; a liquid absorbing element in fluid communication with the liquid storage cavity to absorb a liquid substrate; a first support element, located between the liquid absorbing element and the liquid storage cavity in the vertical direction, and configured to support the liquid absorbing element, and define a vaporization chamber at least partially surrounding the liquid absorbing element; a heating element, configured to heat at least a part of the liquid substrate of the liquid absorbing element to generate an aerosol and release the aerosol to the vaporization chamber; and an aerosol output channel, at least partially formed on the first support element. The first support element is provided with a first protruding edge extending into the vaporization chamber; and the first protruding edge is constructed to surround the aerosol output channel, to prevent the liquid substrate from flowing to the aerosol output channel through a gap between the first support element and the liquid absorbing element. The first protruding edge prevents the liquid substrate from flowing to the aerosol output channel along an inner wall of the first support element.

IPC 8 full level  
**A24F 47/00** (2020.01)

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

Citation (search report)  
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• See also references of WO 2022105800A1

Designated contracting state (EPC)  
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**EP 21893947 A 20211117**; CN 202011282645 A 20201117; CN 2021131239 W 20211117; US 202118037403 A 20211117