

Title (en)
ATOMIZER AND ELECTRONIC CIGARETTE

Title (de)
ZERSTÄUBER UND ELEKTRONISCHE ZIGARETTE

Title (fr)
ATOMISEUR ET CIGARETTE ÉLECTRONIQUE

Publication
EP 3970522 A4 20230712 (EN)

Application
EP 20806093 A 20200512

Priority
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• CN 2020089734 W 20200512

Abstract (en)
[origin: EP3970522A1] An atomizer (100), the atomizer (100) comprising a liquid storage assembly (10) and an atomization assembly (20); the liquid storage assembly (10) is internally provided with a liquid storage cavity (11), the liquid storage assembly (10) is provided with a mounting hole (121), the mounting hole (121) is in communication with the liquid storage cavity (11); the atomization assembly (20) is internally provided with an atomization cavity (21), a liquid inlet hole (222) in communication with the atomization cavity (21) is formed on the atomization assembly (20), the atomization assembly (20) is slidably provided in the mounting hole (121) along the axial direction of the mounting hole (121); when the atomization assembly (20) slides to a first state, the wall of the mounting hole (121) shields the liquid inlet hole (222) so that the liquid inlet hole (222) is staggered from the liquid storage cavity (11), and when the atomization assembly (20) slides to a second state, the liquid inlet hole (222) is in communication with the liquid storage cavity (11) and the atomization cavity. The atomizer (100) facilitates storage of e-liquid. Also provided is an electronic cigarette using the atomizer (100).

IPC 8 full level
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Citation (search report)
• [XY] US 9907341 B1 20180306 - ZHU XIAOCHUN [CN]
• [XY] WO 2018023334 A1 20180208 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
• [XY] WO 2016172898 A1 20161103 - HUIZHOU KIMREE TECHNOLOGY CO LTD SHENZHEN BRANCH [CN], et al
• [XA] WO 2018133267 A1 20180726 - CHANGZHOU PATENT ELECTRONIC TECH CO LTD [CN]
• See references of WO 2020228690A1

Designated contracting state (EPC)
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EP 3970522 A1 20220323; **EP 3970522 A4 20230712**; CN 210158009 U 20200320; US 2022071283 A1 20220310;
WO 2020228690 A1 20201119

DOCDB simple family (application)
EP 20806093 A 20200512; CN 201920697300 U 20190515; CN 2020089734 W 20200512; US 202117525988 A 20211115