

Title (en)
ATOMIZER AND AEROSOL GENERATING DEVICE

Title (de)
ZERSTÄUBER UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)
ATOMISEUR ET DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication
EP 4122336 A4 20240410 (EN)

Application
EP 21770629 A 20210318

Priority
• CN 202020348040 U 20200319
• CN 2021081523 W 20210318

Abstract (en)
[origin: EP4122336A1] An atomizer (100) includes a liquid storage assembly (10), an atomizing assembly (20) and a base assembly (30); the base assembly (30) is detachably connected to one end of the liquid storage assembly (10), the atomizing assembly (20) is arranged between the base assembly (30) and the liquid storage assembly (10), the liquid storage assembly (10) includes an elastic member (14), the elastic member (14) is elastically biased between the liquid storage assembly (10) and the atomizing assembly (20), and when the base assembly (30) is detached from the liquid storage assembly (10), the atomizing assembly (20) is ejected out by the elastic member (14). The atomizer (100) is convenient for a user to take out the atomizing assembly (20). In addition, further provided is an aerosol generating device using the atomizer (100).

IPC 8 full level
A24F 40/40 (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)
A24F 40/10 (2020.01 - US); **A24F 40/40** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP)

Citation (search report)
• [X] CN 108208935 A 20180629 - CHANGZHOU PAITENG ELECTRONIC TECH SERVICE CO LTD
• [X] CN 206443209 U 20170829 - SHENZHEN FIRST UNION TECH CO
• [X] CN 204670386 U 20150930 - SHENZHEN FIRST UNION TECH CO
• [A] WO 2016172898 A1 20161103 - HUIZHOU KIMREE TECHNOLOGY CO LTD SHENZHEN BRANCH [CN], et al
• See also references of WO 2021185309A1

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

DOCDB simple family (publication)
EP 4122336 A1 20230125; **EP 4122336 A4 20240410**; CN 212065675 U 20201204; US 2023012866 A1 20230119;
WO 2021185309 A1 20210923

DOCDB simple family (application)
EP 21770629 A 20210318; CN 202020348040 U 20200319; CN 2021081523 W 20210318; US 202217933124 A 20220919