

Title (en)
ULTRASONIC ELECTRONIC CIGARETTE ATOMIZER

Title (de)
ELEKTRONISCHER ULTRASCHALLZIGARETTENZERSTÄUBER

Title (fr)
ATOMISEUR DE CIGARETTE ÉLECTRONIQUE ULTRASONORE

Publication
EP 3459373 A4 20200311 (EN)

Application
EP 17818829 A 20170216

Priority
• CN 201620656440 U 20160629
• CN 201621085999 U 20160928
• CN 2017073781 W 20170216

Abstract (en)
[origin: EP3459373A1] Provided is an ultrasonic electronic cigarette atomizer, comprising a tobacco tar cup (15) and a suction nozzle (16) connected with one end of a side wall of the tobacco tar cup (15), an atomization piece (1), a liquid guide structure and a tobacco tar storage cavity (40) are provided in the tobacco tar cup (15), and the liquid guide structure is in contact with the tobacco tar in the tobacco tar storage cavity (40); the atomization piece (1) comprises a first surface (S1) and a second surface (S2), both of the first surface (S1) and the second surface (S2) are in contact with the liquid guide structure, and both of the first surface (S1) and the second surface (S2) are communicated with the suction nozzle (16) through a gas flow passage.

IPC 8 full level
A24F 40/05 (2020.01); **A24F 40/44** (2020.01); **A24F 40/485** (2020.01); **A24F 47/00** (2020.01); **A24F 15/015** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)
A24F 40/05 (2020.01 - EP US); **A24F 40/44** (2020.01 - EP US); **A24F 40/485** (2020.01 - EP US); **A24F 15/015** (2020.01 - EP US);
A24F 40/10 (2020.01 - EP US); **A24F 40/40** (2020.01 - EP US)

Citation (search report)
• [IA] KR 200470732 Y1 20140108
• [A] CN 204317501 U 20150513 - SHENZHEN JIAPIN JIANYI TECHNOLOGY CO LTD, et al
• See references of WO 2018000829A1

Cited by
EP4059362A4; EP3858159A1

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 3459373 A1 20190327; **EP 3459373 A4 20200311**; **EP 3459373 B1 20220105**; WO 2018000829 A1 20180104

DOCDB simple family (application)
EP 17818829 A 20170216; CN 2017073781 W 20170216