

Title (en)
ATOMIZER AND ELECTRONIC CIGARETTE COMPRISING SAME

Title (de)
ZERSTÄUBER UND ELEKTRONISCHE ZIGARETTE DAMIT

Title (fr)
ATOMISEUR ET CIGARETTE ÉLECTRONIQUE LE COMPRENANT

Publication
EP 3469928 A4 20200115 (EN)

Application
EP 16913423 A 20161216

Priority

- CN 201620898483 U 20160818
- CN 201620898814 U 20160818
- CN 2016110390 W 20161216

Abstract (en)
[origin: EP3469928A1] An atomizer, comprising an atomizer body, and a tobacco tar cavity (4) and an atomizing core (5) both arranged in the atomizer body, the atomizing core (5) comprises an atomizing piece (51) and a tobacco tar guide body capable of guiding tobacco tar in the tobacco tar cavity (4) to an atomizing surface of the atomizing piece (51); and the tobacco tar guide body props against the atomizing piece (51), and the sum of areas of contact surfaces between the tobacco tar guide body and the atomizing piece (51) is smaller than the area of the atomizing surface of the atomizing piece (51). The time from the start of the work of the atomizing piece (51) to the start of oscillating atomization is shortened by decreasing the contact area of the tobacco tar guide body, and thus the smoke production speed is higher. Moreover, the phenomenon will not occur that atomization is difficult to implement after the tobacco tar guide body is in a tobacco tar absorption oversaturated state.

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

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

Citation (search report)

- [XA] CN 104382238 A 20150304 - SHENZHEN JIAPIN JIANYI TECHNOLOGY CO LTD, et al
- [X] CN 105559151 A 20160511 - CHINA TOBACCO HUNAN IND CO LTD & EP 3251531 A1 20171206 - CHINA TOBACCO HUNAN IND CO LTD [CN]
- [X] CN 203662023 U 20140625 - KAN LIGANG, et al
- See also references of WO 2018032671A1

Cited by
EP4124249A1; EP3434121A4

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 3469928 A1 20190417; EP 3469928 A4 20200115; WO 2018032671 A1 20180222

DOCDB simple family (application)
EP 16913423 A 20161216; CN 2016110390 W 20161216