

Title (en)

Atomizer and electronic cigarette having same

Title (de)

Zerstäuber und elektronische Zigarette damit

Title (fr)

Dispositif d'atomisation et cigarette électronique comportant celui-ci

Publication

EP 2954791 B1 20161019 (EN)

Application

EP 14178446 A 20140724

Priority

CN 201420314834 U 20140613

Abstract (en)

[origin: EP2954791A1] An exemplary atomizer includes a housing, a solution reservoir, and an atomizing part. The housing defines an air inlet, an air outlet, and an air passage communicating the air inlet and the air outlet. The solution reservoir is received in the housing and is configured for reserving tobacco solution. The atomizing part is configured for atomizing the tobacco solution. The atomizing part includes an atomizing cup with an atomizing cavity, and an atomizing unit received in the atomizing cavity. The atomizer further includes a first solution guiding component between the solution reservoir and the atomizing part. The first solution guiding component is configured for conveying the tobacco solution from the solution reservoir to the atomizing cup for atomization. The first solution guiding component includes a porous ceramic body. The tobacco solution is absorbed and stored in the porous ceramic body, and is then conveyed to the atomizing unit for atomization.

IPC 8 full level

A24F 40/44 (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)

A24F 40/44 (2020.01 - EP US); **F24H 1/0018** (2013.01 - EP US); **A24F 40/10** (2020.01 - EP US)

Citation (opposition)

Opponent : Keltie LLP

- EP 2489391 A1 20120822 - JOYETECH CHANGZHOU ELECTRONICS CO LTD [CN]
- US 2013160764 A1 20130627 - LIU QIUMING [CN]
- WO 2014071329 A1 20140508 - SAFE CIG LLC [US]
- US 2011277757 A1 20111117 - TERRY NATHAN ANDREW [US], et al
- EP 2404515 A1 20120111 - HON LIK [CN]
- US 2013319438 A1 20131205 - LIU QIUMING [CN]

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 2954791 A1 20151216; EP 2954791 B1 20161019; CN 203952443 U 20141126; ES 2609064 T3 20170418; PL 2954791 T3 20170331; PL 2954791 T4 20171229; US 2015359261 A1 20151217

DOCDB simple family (application)

EP 14178446 A 20140724; CN 201420314834 U 20140613; ES 14178446 T 20140724; PL 14178446 T 20140724; US 201414328679 A 20140710