

Title (en)

Electronic cigarette, atomizing device, power pole and charger connector

Title (de)

Elektronische Zigarette, Zerstäubungsvorrichtung, Stromleiste und Ladegerätstecker

Title (fr)

Cigarette électronique, dispositif de pulvérisation, pôle de puissance et connecteur de chargeur

Publication

EP 2891414 A3 20151216 (EN)

Application

EP 14176594 A 20140710

Priority

CN 201310676937 A 20131213

Abstract (en)

[origin: EP2891414A2] An electronic cigarette includes an atomizing device (1) and a power pole (2), the atomizing device includes a first connecting assembly (110), and the power pole includes a second connecting assembly (208). The first connecting assembly includes a pair of first electrodes (110a, 110b) and at least one lapping portion (114). The second connecting assembly includes a pair of second electrodes (209a, 209b) and a cavity with at least one adapting portion formed therein and a guiding surface formed adjacent to the at least one adapting portion. The at least one lapping portion is capable of inserting into the cavity from the guiding surface and rotatable in the cavity until abuts the at least one adapting portion, whereby the first electrodes are in contact with and thus electrically connected to the respective second electrodes. An atomizing device, a power pole and a charger connector are also provided.

IPC 8 full level

A24F 40/40 (2020.01); **A24F 40/50** (2020.01); **A24F 40/90** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)

A24F 40/40 (2020.01 - EP US); **A24F 40/50** (2020.01 - EP US); **A24F 40/90** (2020.01 - EP US); **F22B 1/288** (2013.01 - US); **A24F 40/10** (2020.01 - EP US)

Citation (search report)

- [XYI] KR 20110003309 U 20110331
- [Y] WO 2013093695 A1 20130627 - SIS RESOURCES LTD [IL]
- [E] WO 2015010284 A1 20150129 - KIMREE HI TECH INC
- [A] CN 201718468 U 20110126 - YONGHAI LI, et al

Cited by

CN105942584A; CN104983078A; CN108135274A; US12042809B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2891414 A2 20150708; EP 2891414 A3 20151216; CN 103720055 A 20140416; US 2015164142 A1 20150618

DOCDB simple family (application)

EP 14176594 A 20140710; CN 201310676937 A 20131213; US 201414322950 A 20140703