

Title (en)
ELECTRONIC CIGARETTE DESIGNS FOR AUTOMATED MANUFACTURING

Title (de)
ENTWÜRFE VON ELEKTRONISCHEN ZIGARETTEN ZUR AUTOMATISIERTEN FERTIGUNG

Title (fr)
MODÈLES DE CIGARETTE ÉLECTRONIQUE POUR FABRICATION AUTOMATISÉE

Publication
EP 3229619 A4 20171220 (EN)

Application
EP 14907963 A 20141208

Priority
CN 2014093275 W 20141208

Abstract (en)
[origin: WO2016090533A1] An electronic cigarette (20) includes a control module (24), a battery (28), a heater module (50) and a liquid supply (72) within a tube (22). The control module (24) and the heater module (50) are positioned on opposite sides of the battery (28) and are electrically connected to each other via a connector strip (30). The connector strip (30) may have tabs (32) extending into the control module (24) and the heater module (50), to make electrical connections. The electronic cigarette (20) may be free of screw threads on any element and have no soldered connections, to improve reliability and to allow for automated manufacturing.

IPC 8 full level
A24F 40/40 (2020.01); **A24F 40/70** (2020.01); **H05B 3/40** (2006.01); **A24F 40/10** (2020.01)

CPC (source: EP US)
A24F 40/40 (2020.01 - EP US); **A24F 40/70** (2020.01 - EP US); **H05B 3/04** (2013.01 - EP US); **H05B 3/44** (2013.01 - EP); **A24F 40/10** (2020.01 - EP US); **H05B 2203/014** (2013.01 - EP); **H05B 2203/021** (2013.01 - EP); **H05B 2203/022** (2013.01 - EP)

Citation (search report)

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- [XII] CN 203633508 U 20140611 - SHENZHEN BAUWAY TECHNOLOGY CO LTD
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- [II] CN 203353689 U 20131225 - LIU QIUMING
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- [A] CN 203538367 U 20140416 - LIU QIUMING
- See references of WO 2016090533A1

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US10736359B2; WO2022162367A1

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)
WO 2016090533 A1 20160616; CN 107205476 A 20170926; CN 107205476 B 20201110; EP 3229619 A1 20171018; EP 3229619 A4 20171220; EP 3229619 B1 20190619; PL 3229619 T3 20191231; TW 201626908 A 20160801

DOCDB simple family (application)
CN 2014093275 W 20141208; CN 201480084522 A 20141208; EP 14907963 A 20141208; PL 14907963 T 20141208; TW 104141129 A 20151208