

Title (en)
HEATING ASSEMBLY AND AEROSOL FORMING DEVICE

Title (de)
HEIZANORDNUNG UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)
ENSEMBLE DE CHAUFFAGE ET DISPOSITIF DE FORMATION D'AÉROSOL

Publication
EP 4218444 A4 20240403 (EN)

Application
EP 21870731 A 20210323

Priority
• CN 202011010204 A 20200923
• CN 2021082418 W 20210323

Abstract (en)
[origin: EP4218444A1] The present application provides a heater assembly and an aerosol-forming device. The heater assembly includes a heating body. The heating body is configured to be inserted into and to heat an aerosol-forming substrate. The heating body includes a first segment portion and a second segment portion spaced apart from the first segment portion, the second segment portion is connected to an end of the first segment portion. At least a portion of the first segment portion and at least a portion of the second segment portion are configured to be inserted into the aerosol-forming substrate and to generate heat, when being supplied with power, to heat the aerosol-forming substrate. The heating body in the heater assembly can be directly inserted into the aerosol-forming substrate and is highly stable. Further, the heating body may heat the aerosol-forming substrate more uniformly.

IPC 8 full level
A24F 40/46 (2020.01); **A24F 47/00** (2020.01); **H05B 3/04** (2006.01); **H05B 3/06** (2006.01); **H05B 3/14** (2006.01); **H05B 3/24** (2006.01); **A24F 40/20** (2020.01)

CPC (source: CN EP KR)
A24F 40/46 (2020.01 - CN EP KR); **H05B 3/03** (2013.01 - KR); **H05B 3/04** (2013.01 - EP); **H05B 3/06** (2013.01 - EP); **H05B 3/10** (2013.01 - KR); **H05B 3/12** (2013.01 - KR); **H05B 3/141** (2013.01 - EP KR); **H05B 3/24** (2013.01 - EP); **A24F 40/20** (2020.01 - EP); **H05B 2203/022** (2013.01 - EP); **H05B 2203/032** (2013.01 - EP)

Citation (search report)
• [XAI] CN 111035070 A 20200421 - SHENZHEN MAISHI TECH CO LTD
• [XAI] CN 210094671 U 20200221 - O NET AUTOMATION TECH SHENZHEN LTD
• [XAI] CN 205648910 U 20161019 - SHENZHEN FIRST UNION TECH CO
• [XA] WO 2019140744 A1 20190725 - GREEN CIGARETTE IND SHENZHEN CO LTD [CN]
• See also references of WO 2022062342A1

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

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EP 4218444 A1 20230802; **EP 4218444 A4 20240403**; CN 114246371 A 20220329; JP 2023530407 A 20230718; KR 20230012628 A 20230126; WO 2022062342 A1 20220331

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