

Title (en)
ELECTRICALLY HEATED SMOKING ARTICLE

Title (de)
ELEKTRISCH BEHEIZTER RAUCHARTIKEL

Title (fr)
ARTICLE À FUMER CHAUFFÉ ÉLECTRIQUEMENT

Publication
EP 4278906 A1 20231122 (EN)

Application
EP 23157234 A 20230217

Priority

- KR 20220060374 A 20220517
- KR 20220064823 A 20220526
- KR 20220099791 A 20220810
- KR 20220150686 A 20221111

Abstract (en)
The present disclosure relates to an electrically heated smoking article, and more particularly, to an electrically heated smoking article including an aerosol medium capable of generating an aerosol by a heating method rather than a combustion method. The electrically heated smoking article includes a filter rod, an aerosol medium rod stacked at a lower end of the filter rod and including an aerosol medium generating an aerosol by heating and a moisture absorbent accommodating or absorbing the aerosol medium, and a wrapping portion surrounding and wrapping the filter rod and the aerosol medium rod to maintain a stack structure, wherein the aerosol medium, including glycerin and a thickener, is maintained in a semi-solid or solid state in a first temperature range including room temperature and is in a liquefied state in a second temperature range higher than the first temperature range, wherein glycerin vaporizes in a third temperature range higher than the second temperature range to generate an aerosol, and the thickener does not vaporize in the third temperature range but remains in the moisture absorbent.

IPC 8 full level
A24B 15/16 (2020.01); **A24B 15/167** (2020.01); **A24B 15/30** (2006.01); **A24D 1/20** (2020.01)

CPC (source: EP US)
A24B 15/16 (2013.01 - EP); **A24B 15/167** (2016.11 - EP US); **A24B 15/30** (2013.01 - EP); **A24D 1/002** (2013.01 - US); **A24D 1/045** (2013.01 - US); **A24D 1/20** (2020.01 - US); **A24D 1/20** (2020.01 - EP)

Citation (search report)

- [A] EP 3915405 A1 20211201 - INNO IT CO LTD [KR]
- [A] US 2021015746 A1 20210121 - CAPELLI SEBASTIEN [CH], et al
- [A] EP 3900552 A1 20211027 - INNO IT CO LTD [KR]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4278906 A1 20231122; JP 2023169863 A 20231130; US 2023371582 A1 20231123

DOCDB simple family (application)
EP 23157234 A 20230217; JP 2023023980 A 20230220; US 202318112829 A 20230222