

Title (en)

SMOKING APPARATUS FOR INDUCTION HEATING AT FRONT END OF CIGARETTE

Title (de)

RAUCHARTIKEL ZUR INDUKTIONSERWÄRMUNG AM VORDEREN ENDE EINER ZIGARETTE

Title (fr)

APPAREIL À FUMER POUR CHAUFFAGE PAR INDUCTION À L'EXTRÉMITÉ AVANT D'UNE CIGARETTE

Publication

EP 3932231 A1 20220105 (EN)

Application

EP 20926392 A 20200928

Priority

CN 2020118486 W 20200928

Abstract (en)

The present disclosure relates to the field of novel cigarette smoking utensil, and in particular, to a smoke generating device with induction heating at the front end of the cigarette. The smoke generating device includes: a hollow heating cup (2), a heating element (5), and an induction coil (4); the hollow heating cup (2) includes an upper hollow structure, a lower hollow structure and a baffle between them, the heating element (5) is disposed in the lower hollow structure, and an induction coil (4) is on the periphery; the heating element (5) is made of a ferromagnetic metal, which has a structure that can pass through the air. The present disclosure designs for the first time a smoke generating device with induction heating at the front end of the cigarette. The inside and/or surface of the heating element has/forms a plurality of airflow channels, which can quickly and fully heat the air flowing through the surface, so as to effectively solve the problem of uneven heating of electric heating cigarettes, as well as flammable, uncontrollable charcoal-heated cigarettes with insufficient aroma components and poor smoking sensation.

IPC 8 full level

A24F 47/00 (2020.01)

CPC (source: EP KR)

A24F 40/465 (2020.01 - EP KR); **A24F 40/485** (2020.01 - KR); **A24F 40/51** (2020.01 - KR); **H05B 6/36** (2013.01 - KR); **H05B 6/365** (2013.01 - KR); **A24F 40/20** (2020.01 - EP KR)

Cited by

WO2024012044A1

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 3932231 A1 20220105; **EP 3932231 A4 20220601**; **EP 3932231 B1 20230906**; JP 2022530610 A 20220630; JP 7138253 B2 20220915; KR 102415403 B1 20220630; KR 20220044158 A 20220406; WO 2021189799 A1 20210930

DOCDB simple family (application)

EP 20926392 A 20200928; CN 2020118486 W 20200928; JP 2021560251 A 20200928; KR 20217031022 A 20200928