

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 A4 20220601 (EN)

Application

EP 20926392 A 20200928

Priority

CN 2020118486 W 20200928

Abstract (en)

[origin: EP3932231A1] 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

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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)

Citation (search report)

- [A] CN 207754539 U 20180824 - SHENZHEN FIRST UNION TECH CO
- [A] CN 111264911 A 20200612 - CHINA TOBACCO YUNNAN IND CO LTD
- [A] CN 111278183 A 20200612 - SHENZHEN MAISHI TECH CO LTD
- See references of WO 2021189799A1

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Designated contracting state (EPC)

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DOCDB simple family (application)

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