Title (en)

HEAT-NOT-BURN DEVICE, METHOD, AND SYSTEM FOR TOBACCO PRODUCT

Title (de)

VORRICHTUNG ZUR ERWÄRMUNG OHNE VERBRENNUNG, VERFAHREN UND SYSTEM FÜR TABAKPRODUKT

Title (fr)

DISPOSITIF, PROCÉDÉ ET SYSTÈME DE CHAUFFAGE SANS COMBUSTION POUR PRODUIT À BASE DE TABAC

Publication

EP 3954239 A1 20220216 (EN)

Application

EP 19932835 A 20191031

Priority

- CN 201910515933 A 20190614
- CN 2019114688 W 20191031

Abstract (en)

A heat-not-burn device, method, and system for tobacco products. The device includes a housing (10) and a heating body (11) and a power supply (14) provided inside the housing (10). The device further includes: an induction unit (12) configured to sense and generate induction signals; and a control circuit (13) electrically connected to the induction unit (12) and the heating body (11), and configured to receive the induction signals and to control, according to the received induction signals, an operating temperature of the heating body (11) to switch among a plurality of temperature intervals, wherein the plurality of temperature intervals at least includes a heat preservation interval and an excitation temperature interval. The heat-not-burn device, method, and system for tobacco products can reduce the heat loss of a heat-not-burn device.

IPC 8 full level

A24F 47/00 (2020.01)

CPC (source: EP KR)

A24F 40/20 (2020.01 - KR); **A24F 40/40** (2020.01 - KR); **A24F 40/46** (2020.01 - KR); **A24F 40/50** (2020.01 - KR); **A24F 40/51** (2020.01 - KR); **A24F 40/53** (2020.01 - KR); **A24F 40/57** (2020.01 - EP KR); **A24F 40/60** (2020.01 - EP KR); A24F 40/20 (2020.01 - EP)

Cited by

US11789476B2

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 3954239 A1 20220216; **EP 3954239 A4 20220629**; CN 112075668 A 20201215; KR 102697093 B1 20240822; KR 20220002373 A 20220106; WO 2020248475 A1 20201217

DOCDB simple family (application)

EP 19932835 A 20191031; CN 201910515933 A 20190614; CN 2019114688 W 20191031; KR 20217037055 A 20191031