

Title (en)  
MIXED-TYPE HEAT-NOT-BURN DEVICE AND SYSTEM

Title (de)  
VORRICHTUNG UND SYSTEM ZUM ERWÄRMEN OHNE VERBRENNEN DES GEMISCHTEN TYPUS

Title (fr)  
SYSTÈME ET DISPOSITIF SANS COMBUSTION DE TYPE MIXTE

Publication  
**EP 3957196 A4 20220615 (EN)**

Application  
**EP 19924648 A 20191020**

Priority  
• CN 201910299956 A 20190415  
• CN 2019112070 W 20191020

Abstract (en)  
[origin: EP3957196A1] A mixed-type heat-not-burn device and system, including comprises a housing (300), the housing (300) is provided with a first accommodating space (301-A) configured to store a liquid substrate unit (100); a second accommodating space (302-A), one side of the second accommodating space (302-A) being set as an opening, and a solid substrate unit (200) is inserted into the second accommodating space (302-A) through the opening of the second accommodating space (302-A); and a heating atomization unit (400-A) configured for heating the liquid substrate unit (100) to form a first aerosol, and for heating the solid substrate unit (200) to form a second aerosol; the first aerosol formed by the liquid substrate unit (100) is conducted to the solid substrate unit (200), such that the first aerosol and the second aerosol are mixed and then discharged from the solid substrate unit (200). The above device and system can make vapor amount of an electronic cigarette increased, the taste can be enriched.

IPC 8 full level  
**A24F 47/00** (2020.01); **A24F 40/30** (2020.01); **A24F 40/46** (2020.01)

CPC (source: EP KR)  
**A24F 40/10** (2020.01 - KR); **A24F 40/20** (2020.01 - KR); **A24F 40/30** (2020.01 - EP KR); **A24F 40/40** (2020.01 - KR); **A24F 40/42** (2020.01 - KR); **A24F 40/46** (2020.01 - EP KR); **A24F 40/10** (2020.01 - EP); **A24F 40/20** (2020.01 - EP)

Citation (search report)  
• [E] EP 3818871 A1 20210512 - KT & G CORP [KR]  
• [Y] US 2018169355 A1 20180621 - REEVELL TONY [GB]  
• [Y] WO 2019051667 A1 20190321 - HUIZHOU KIMREE TECHNOLOGY CO LTD SHENZHEN BRANCH [CN]  
• [A] CN 108323815 A 20180727 - SHENZHEN SMISS TECH CO LTD  
• [A] WO 2017207443 A1 20171207 - PHILIP MORRIS PRODUCTS SA [CH]  
• See references of WO 2020211315A1

Cited by  
WO2023243880A1

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 3957196 A1 20220223; EP 3957196 A4 20220615; EP 3957196 B1 20231122**; CN 111869928 A 20201103; KR 102617687 B1 20231227; KR 20210151208 A 20211213; WO 2020211315 A1 20201022

DOCDB simple family (application)  
**EP 19924648 A 20191020**; CN 201910299956 A 20190415; CN 2019112070 W 20191020; KR 20217037111 A 20191020