

Title (en)
SYSTEM-IN-PACKAGE AND AEROSOL GENERATING APPARATUS COMPRISING THE SAME

Title (de)
SYSTEM-IN-PACKAGE UND AEROSOLERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)
SYSTÈME EN BOÎTIER ET APPAREIL DE GÉNÉRATION D'AÉROSOL LE COMPRENANT

Publication
EP 4093220 A4 20230913 (EN)

Application
EP 21867006 A 20210811

Priority
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• KR 2021010658 W 20210811

Abstract (en)
[origin: WO2022055140A1] An aerosol-generating apparatus includes a heater assembly configured to heat a cigarette inserted into the aerosol-generating apparatus, a battery configured to supply power to the heater assembly, and a system-in-package (SIP) including a microcontroller unit (MCU); a sensor module; and a heating integrated circuit (IC) configured to control a heating operation of the heater assembly.

IPC 8 full level
A24F 40/40 (2020.01); **A24F 40/53** (2020.01); **A24F 40/10** (2020.01); **A24F 40/51** (2020.01)

CPC (source: EP KR US)
A24F 40/40 (2020.01 - EP KR); **A24F 40/46** (2020.01 - KR US); **A24F 40/50** (2020.01 - KR); **A24F 40/51** (2020.01 - KR US); **A24F 40/53** (2020.01 - EP); **A24F 40/57** (2020.01 - KR US); **A24F 40/65** (2020.01 - KR); **A24F 40/85** (2020.01 - KR); **A24F 40/95** (2020.01 - KR); **A24F 40/10** (2020.01 - EP); **A24F 40/51** (2020.01 - EP)

Citation (search report)
• [A] EP 3666095 A2 20200617 - KT & G CORP [KR]
• [A] WO 2020064347 A1 20200402 - JT INT SA [CH]
• [A] EP 3610747 A2 20200219 - KT & G COPORATION [KR]
• See also references of WO 2022055140A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022055140 A1 20220317; CA 3170886 A1 20220317; CN 115379772 A 20221122; EP 4093220 A1 20221130; EP 4093220 A4 20230913; EP 4093220 B1 20240327; JP 2023520075 A 20230515; KR 102609589 B1 20231204; KR 20220034544 A 20220318; PL 4093220 T3 20240729; US 2023128410 A1 20230427

DOCDB simple family (application)
KR 2021010658 W 20210811; CA 3170886 A 20210811; CN 202180024278 A 20210811; EP 21867006 A 20210811; JP 2022560072 A 20210811; KR 20200117049 A 20200911; PL 21867006 T 20210811; US 202117913107 A 20210811