

Title (en)
Smoke-free cigarette

Title (de)
Rauchfreie Zigarette

Title (fr)
Cigarette sans fumée

Publication
EP 2138058 B1 20100922 (DE)

Application
EP 08013799 A 20080731

Priority
DE 102008030548 A 20080627

Abstract (en)
[origin: EP2138058A1] A smoke-free cigarette (10) comprises a self-sufficient heating unit (14) for producing heat and a nicotine reservoir. The nicotine reservoir includes nicotine, a nicotine-containing compound or tobacco enriched with nicotine compound. The heating unit is designed such that it has a fluid including sodium acetate trihydrate, sodium sulfate, Glauber's salt or magnesium nitrate hexahydrate. The fluid in oversaturated form emits heat during crystallization of sodium acetate trihydrate, sodium sulfate, Glauber's salt or magnesium nitrate hexahydrate. An independent claim is included for a method for filling smoke-free cigarette, which involves heating sodium acetate trihydrate, sodium sulfate, Glauber's salt or magnesium nitrate hexahydrate.

IPC 8 full level
A24D 1/22 (2020.01)

CPC (source: EP US)
A24D 1/22 (2020.01 - EP US)

Cited by
EP2668860A3; RU184342U1; RU2643968C2; DE102019126490A1; US11241042B2; US11825870B2; US10542777B2; US10036574B2; US11672279B2; US12041968B2; US11452313B2; US12016393B2; WO2014045025A3; WO2021064119A1; US11064725B2; US11659863B2; US11924930B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2138058 A1 20091230; EP 2138058 B1 20100922; AT E481888 T1 20101015; DE 102008030548 A1 20091231; DE 102008030548 B4 20190704; DE 502008001403 D1 20101104; EP 2138059 A1 20091230; EP 2138059 B1 20130515; ES 2354491 T3 20110315; PL 2138058 T3 20110331; WO 2009155957 A1 20091230

DOCDB simple family (application)
EP 08013799 A 20080731; AT 08013799 T 20080731; DE 102008030548 A 20080627; DE 502008001403 T 20080731; EP 09003622 A 20090312; EP 2008007199 W 20080903; ES 08013799 T 20080731; PL 08013799 T 20080731