

Title (en)
DEVICE FOR FILTERING SMOKE

Title (de)
VORRICHTUNG ZUM FILTERN VON RAUCH

Title (fr)
DISPOSITIF DE FILTRATION DE LA FUMÉE

Publication
EP 4210517 B1 20231227 (DE)

Application
EP 21777455 A 20210910

Priority
• EP 20195458 A 20200910
• EP 2021074904 W 20210910

Abstract (en)
[origin: CA3192436A1] The invention relates to a device (1) for filtering smoke, in particular tobacco and/or cannabis cigarette filter, having a jacket (2), there being provided in the jacket (2) at least a first section (11), a second section (12) and a third section (13), the second section (12) being arranged between the first section (11) and the third section (13), a first nonwoven filter material (3) being provided in the first section (11), a porous filter material (4) being provided in the second section (12), and a second nonwoven filter material (5) being provided in the third section (13); a fourth section (14) being provided in the jacket (2), the third section (13) being arranged between the second section (12) and the fourth section (14), and the fourth section (14) being designed such that a pressure drop across the fourth section (14) is smaller than a pressure drop across the third section (13) as flow passes through the jacket (2).

IPC 8 full level
A24D 3/04 (2006.01); **A24D 3/06** (2006.01); **A24D 3/10** (2006.01); **A24D 3/16** (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP IL US)
A24D 1/045 (2013.01 - US); **A24D 3/0279** (2013.01 - IL); **A24D 3/0287** (2013.01 - IL); **A24D 3/0291** (2013.01 - IL);
A24D 3/04 (2013.01 - EP IL US); **A24D 3/06** (2013.01 - EP IL); **A24D 3/062** (2013.01 - EP IL); **A24D 3/063** (2013.01 - US);
A24D 3/066 (2013.01 - US); **A24D 3/10** (2013.01 - EP IL US); **A24D 3/163** (2013.01 - EP IL US); **A24D 3/0279** (2013.01 - EP);
A24D 3/0287 (2013.01 - EP); **A24D 3/0291** (2013.01 - EP)

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

DOCDB simple family (publication)
EP 3967159 A1 20220316; CA 3192436 A1 20220317; EP 4210517 A1 20230719; EP 4210517 B1 20231227; EP 4210517 C0 20231227;
ES 2971541 T3 20240605; HR P20240209 T1 20240426; IL 301309 A 20230501; PL 4210517 T3 20240506; US 2023354887 A1 20231109;
WO 2022053597 A1 20220317

DOCDB simple family (application)
EP 20195458 A 20200910; CA 3192436 A 20210910; EP 2021074904 W 20210910; EP 21777455 A 20210910; ES 21777455 T 20210910;
HR P20240209 T 20210910; IL 30130923 A 20230312; PL 21777455 T 20210910; US 202118044960 A 20210910