

Title (en)

APPARATUS AND METHOD FOR MAKING FILTERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON FILTERN

Title (fr)

APPAREIL ET PROCÉDÉ POUR FABRIQUER DES FILTRES

Publication

**EP 3232829 B1 20190508 (EN)**

Application

**EP 15813386 A 20151217**

Priority

- EP 14198772 A 20141218
- EP 2015080156 W 20151217

Abstract (en)

[origin: WO2016097100A1] The apparatus and method for making filters comprises a filter material converging device, a thread positioning device for positioning a continuous thread in the filter material and a liquid introduction device for introducing a liquid into the filter material. The thread positioning device is arranged above the converging device such that an outlet opening of the thread positioning device is arrangeable within the converging device. The liquid introduction device is arranged below the converging device such that an outlet opening of the liquid introduction device is arrangeable within the converging device. The outlet opening of the liquid introduction device is arranged upstream of the outlet opening of the thread positioning device.

IPC 8 full level

**A24D 3/02** (2006.01)

CPC (source: CN EP KR RU)

**A24D 3/02** (2013.01 - RU); **A24D 3/022** (2013.01 - CN EP KR)

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)

**WO 2016097100 A1 20160623**; BR 112017010427 A2 20171226; BR 112017010427 B1 20220303; CN 106998794 A 20170801; CN 106998794 B 20200117; EP 3232829 A1 20171025; EP 3232829 B1 20190508; HU E043728 T2 20190930; JP 2018500018 A 20180111; JP 6711831 B2 20200617; KR 102589440 B1 20231016; KR 20170094149 A 20170817; PL 3232829 T3 20191031; RU 2017125369 A 20190118; RU 2017125369 A3 20190423; RU 2690381 C2 20190604

DOCDB simple family (application)

**EP 2015080156 W 20151217**; BR 112017010427 A 20151217; CN 201580064408 A 20151217; EP 15813386 A 20151217; HU E15813386 A 20151217; JP 2017531538 A 20151217; KR 20177013712 A 20151217; PL 15813386 T 20151217; RU 2017125369 A 20151217