

Title (en)

METHOD FOR PRODUCING A MULTI-LAYER FILTER MEDIUM AND A FILTER MEDIUM PRODUCED ACCORDING TO THIS METHOD

Title (de)

VERFAHREN ZUM HERSTELLEN EINES MEHRLAGIGEN FILTERMEDIUMS SOWIE EIN NACH DIESEM VERFAHREN HERGESTELLTES FILTERMEDIUM

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MILIEU FILTRANT MULTICOUCHE ET MILIEU FILTRANT OBTENU SELON CE PROCÉDÉ

Publication

EP 3956047 A1 20220223 (DE)

Application

EP 20785474 A 20200928

Priority

- DE 102019006765 A 20190928
- EP 2020077105 W 20200928

Abstract (en)

[origin: WO2021058821A1] The invention relates to a method for producing a multi-layer filter medium, comprising at least the following production steps: providing a woven fabric layer (12) having passage points (24) for fluid; providing a nonwoven fabric layer consisting of a spunbond (18) and having additional passage points (28) for fluid; and connecting the two layers (12, 18), which have been laid on top of one another, along contact points (30) by melting the nonwoven fabric layer (18) in such a way that the additional passage points (28) become enlarged and at least some of the melted spunbond material flows to the contact points and accumulates there, subsequently forming curing solid connection points between the two layers (12, 18).

IPC 8 full level

B01D 39/10 (2006.01); **B01D 39/16** (2006.01); **D03D 15/00** (2021.01)

CPC (source: CN EP KR US)

B01D 39/08 (2013.01 - CN); **B01D 39/083** (2013.01 - EP KR US); **B01D 39/10** (2013.01 - EP KR US); **B01D 39/1623** (2013.01 - EP KR US); **D03D 1/00** (2013.01 - EP KR); **D03D 13/004** (2013.01 - EP KR US); **D03D 15/67** (2021.01 - EP KR US); **B01D 2239/0627** (2013.01 - EP KR); **B01D 2239/065** (2013.01 - CN); **B01D 2239/0654** (2013.01 - EP KR US); **B01D 2239/0668** (2013.01 - EP KR US); **B01D 2239/10** (2013.01 - CN KR); **B01D 2239/1233** (2013.01 - EP KR US); **D10B 2505/04** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2021058821A1

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)

WO 2021058821 A1 20210401; CN 114173902 A 20220311; DE 102019006765 A1 20210401; EP 3956047 A1 20220223; JP 2022549400 A 20221125; KR 20220069922 A 20220527; US 2022241708 A1 20220804

DOCDB simple family (application)

EP 2020077105 W 20200928; CN 202080052462 A 20200928; DE 102019006765 A 20190928; EP 20785474 A 20200928; JP 2022503922 A 20200928; KR 20227005098 A 20200928; US 202017617409 A 20200928