

Title (en)
ELECTRET-CONTAINING FILTER MEDIA

Title (de)
ELEKTRETHALTIGE FILTERMEDIEN

Title (fr)
MILIEU FILTRANT CONTENANT UN ÉLECTRET

Publication
EP 3585499 A4 20201223 (EN)

Application
EP 18757748 A 20180221

Priority

- US 201715438028 A 20170221
- US 201715438042 A 20170221
- US 201715790651 A 20171023
- US 2018018924 W 20180221

Abstract (en)
[origin: WO2018156561A1] Filter media, such as electret-containing filtration media for filtering gas streams (e.g., air), are described herein. In some embodiments, the filter media may be designed to have desirable properties such as stable filtration efficiency over the lifetime of the filter media, increased normalized gamma, relatively low pressure drop (i.e. resistance), and/or relatively low basis weight. In certain embodiments, the filter media may be a composite of two or more types of fiber layers where each layer may be designed to enhance its function without substantially negatively impacting the performance of another layer of the media. For example, one layer of the media may be designed to have a relatively low basis weight and/or a relatively high air permeability, and another layer of the media may be designed to have stable filtration efficiency and/or a relatively high efficiency throughout the filter media's lifetime.

IPC 8 full level
B01D 46/00 (2006.01); **B01D 39/16** (2006.01)

CPC (source: EP)
B01D 39/1623 (2013.01); **B01D 2239/0435** (2013.01); **B01D 2239/064** (2013.01); **B01D 2239/0654** (2013.01); **B01D 2239/1258** (2013.01)

Citation (search report)

- [A] WO 2016017484 A1 20160204 - JAPAN VILENE CO LTD [JP]
- [A] EP 2567744 A1 20130313 - JAPAN VILENE CO LTD [JP]
- [A] WO 9952619 A1 19991021 - AMERICAN FELT & FILTER CO [US]

Citation (examination)

- US 5898981 A 19990504 - LEGARE PIERRE [CA]
- EP 2060311 B1 20110511 - WOLF PVG GMBH & CO KOMMANDITGESELLSCHAFT [DE]
- See also references of WO 2018156561A1

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 2018156561 A1 20180830; CN 110545894 A 20191206; CN 110545894 B 20221028; CN 115646068 A 20230131;
EP 3585499 A1 20200101; EP 3585499 A4 20201223

DOCDB simple family (application)
US 2018018924 W 20180221; CN 201880025705 A 20180221; CN 202211237409 A 20180221; EP 18757748 A 20180221