

Title (en)  
MEMBRANE ELEMENT FOR A HUMIDIFIER AND METHOD OF MANUFACTURING SAID MEMBRANE ELEMENT

Title (de)  
MEMBRANELEMENT FÜR EINEN LUFTBEFEUCHTUNGSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES MEMBRANELEMENTES

Title (fr)  
MEMBRANE POUR UN DISPOSITIF D'HUMIDIFICATION DE L'AIR ET MÉTHODE DE FABRICATION D'UNE MEMBRANE MICROPOREUSE

Publication  
**EP 3696468 A1 20200819 (DE)**

Application  
**EP 20167094 A 20161216**

Priority

- CH 18722015 A 20151218
- EP 18184196 A 20161216
- EP 16822372 A 20161216
- CH 2016000156 W 20161216

Abstract (en)  
[origin: WO2017100955A2] The invention relates to an air humidifier device (10) comprising a hydrophobic microporous membrane (1) as a separator between the water and the air to be humidified, wherein the volumetric flow of water over time is set to be greater by factor X than the volumetric flow of steam. This allows air to be humidified with water at a low temperature, without disruption.

Abstract (de)  
Membranelement bestehend aus flächig angeordnetem Membranmaterial auf einem Spannrahmen, wobei der Spannrahmen aus spritzgießbarem Kunststoff besteht und wobei das Membranmaterial bevorzugt hydrophob und mikroporös ist. Verfahren zum Herstellen eines Membranelements.

IPC 8 full level  
**F24F 6/02** (2006.01); **F24F 3/14** (2006.01); **F24F 6/04** (2006.01)

CPC (source: EP US)  
**F24F 3/14** (2013.01 - EP); **F24F 6/02** (2013.01 - EP); **F24F 6/04** (2013.01 - EP); **F24F 11/30** (2017.12 - US); **F24F 11/70** (2017.12 - US); **F24F 11/77** (2017.12 - EP US); **F24F 2003/1435** (2013.01 - EP); **F24F 2110/00** (2017.12 - US); **F24F 2110/20** (2017.12 - US)

Citation (applicant)

- DE 102008038557 A1 20100225 - EADS DEUTSCHLAND GMBH [DE]
- US 2005252982 A1 20051117 - AKITA YASUHIRO [JP], et al
- WO 8806912 A1 19880922 - SAEAESK AAPO [SE]
- DE 102012008197 A1 20131031 - KOBER AG [DE]

Citation (search report)

- [X] JP H08128682 A 19960521 - JAPAN GORE TEX INC
- [X] WO 0167533 A2 20010913 - BALLARD POWER SYSTEMS [CA], et al

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**CH 2016000156 W 20161216**; CH 18722015 A 20151218; EP 16822372 A 20161216; EP 18184196 A 20161216; EP 20167094 A 20161216