

Title (en)  
MULTI-LAYERED ELECTRET-CONTAINING FILTRATION MEDIA

Title (de)  
FILTERMEDIEN MIT MEHRSCHICHTIGEM ELECTRET

Title (fr)  
MILIEUX DE FILTRATION MULTICOUCHES CONTENANT DES ÉLECTRETS

Publication  
**EP 3487602 A4 20200115 (EN)**

Application  
**EP 17831940 A 20170721**

Priority  

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- US 2017043249 W 20170721

Abstract (en)  
[origin: WO2018017937A1] Filter 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, high oil repellency, low instantaneous resistance, and/or stable service life. In certain embodiments, one or more layers of the media may have a certain value of basis weight over air permeability (and/or a ratio of a value of basis weight over air permeability between two layers). The filter media may optionally comprise a support layer with a relatively high air permeability (e.g., greater than or equal to 1100 CFM). In some cases, the filter media may have a relatively low initial resistance and/or may have a particular final EI efficiency. The filter media described herein may be particularly well-suited for applications that involve filtering gas streams (e.g., face masks, cabin air filtration, vacuum filtration, respirator equipment, as well as residential heating ventilation and air conditioning (HVAC) and industrial HVAC systems), though the media may also be used in other applications.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  

- [X] US 2015121823 A1 20150507 - HEALEY DAVID T [US]
- [I] US 5672188 A 19970930 - CHOI KYUNG-JU [US]
- See also references of WO 2018017937A1

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