

Title (en)
FILTER MEDIA INCLUDING FLAME RETARDANT FIBERS

Title (de)
FILTERMEDIEN MIT FLAMMENHEMMENDEN FASERN

Title (fr)
SUPPORT FILTRANT COMPRENANT DES FIBRES IGNIFUGES

Publication
EP 3519076 A4 20200226 (EN)

Application
EP 17857510 A 20170929

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Abstract (en)
[origin: WO2018064500A1] Filter media including a filtration layer comprising fibers (e.g., synthetic fibers) comprising a flame retardant and related components, systems, and methods associated herewith are provided. In some embodiments, a filtration layer may include a nonwoven web (e.g., wet-laid nonwoven web) comprising fibers including a certain flame retardant that has a relatively low concentration of or is substantially free of certain undesirable and/or toxic components (e.g., halogens). In certain embodiments, the nonwoven web may also comprise a blend of fibers. For instance, in some embodiments, the nonwoven web may also comprise a blend of coarse and fine diameter synthetic fibers that impart beneficial performance properties to the filtration layer. In some embodiments, the filtration layer may be designed to have a desirable flame retardancy (e.g., FI rating, KI rating) and performance properties without compromising certain mechanical properties (e.g., pleatability of the media) and/or environmental attributes (e.g., relatively low toxicity). Filter media described herein may be particularly well-suited for applications that involve filtering air, though the media may also be used in other applications.

IPC 8 full level
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Citation (search report)
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• [X] JP 2006136809 A 20060601 - TORAY INDUSTRIES, et al
• See references of WO 2018064500A1

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