

Title (en)
FILTER MEDIA INCLUDING FLAME RETARDANT FIBERS

Title (de)
FILTERMEDIEN MIT FLAMMENHEMMENDEN FASERN

Title (fr)
SUPPORT FILTRANT COMPRENANT DES FIBRES IGNIFUGES

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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.

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