

Title (en)

FIBRILLATED FIBERS FOR LIQUID FILTRATION MEDIA

Title (de)

FIBRILLIERTE FASERN FÜR FLÜSSIGKEITSFILTRIERMEDIEN

Title (fr)

FIBRES FIBRILLÉES POUR MILIEUX DE FILTRATION DE LIQUIDES

Publication

EP 3083003 A4 20171025 (EN)

Application

EP 14871285 A 20141219

Priority

- US 201314135187 A 20131219
- US 2014071547 W 20141219

Abstract (en)

[origin: WO2015095732A1] Fiber webs which are used in filter media are described herein. In some embodiments, the fiber webs include fibrillated fibers and optionally non-fibrillated fibers, amongst other optional components (e.g., binder resin). In some embodiments, the fiber webs include limited amounts of, or no, glass fiber. The respective characteristics and amounts of the fibrillated fibers are selected to impart desirable properties including mechanical properties and filtration properties (e.g., dust holding capacity and efficiency), amongst other benefits.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] US 2012152859 A1 20120621 - BATTENFELD JUERGEN [DE], et al
- [Y] US 2006277877 A1 20061214 - SHIELDS CHRISTOPHER S [US]
- [Y] US 2013233789 A1 20130912 - PARKER INA [US]
- [Y] US 2011198280 A1 20110818 - JONES DEREK O [US], et al
- See references of WO 2015095732A1

Designated contracting state (EPC)

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