

Title (en)
FILTER MEDIA COMPRISING POLYAMIDE NANOFIBER LAYER

Title (de)
FILTERMEDIUM MIT POLYAMID-NANOFASERSCHICHT

Title (fr)
MILIEU FILTRANT COMPRENANT UNE COUCHE DE NANOFIBRES DE POLYAMIDE

Publication
EP 3962626 A1 20220309 (EN)

Application
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Abstract (en)
[origin: WO2020223638A1] Filter media comprising a polyamide nanofiber layer is disclosed. The polyamide may have a Relative Viscosity from 2 to 200. The polyamide nanofiber layer may have a melt point of 225C or greater. The nanofibers may have an average fiber diameter of less than 1000 nanometers (1 micron). Methods for preparing the filter media are also disclosed. In general, the method includes: (a) providing a spinnable polyamide polymer composition, wherein the polyamide has a Relative Viscosity from 2 to 200; (b) melt spinning the polyamide polymer composition into a plurality of nanofibers having an average fiber diameter of less than 1 micron, followed by (c) forming the polyamide nanofiber layer.

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Citation (search report)
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