

Title (en)  
HYDROENTANGLED FILTER MATERIAL FOR SMOKING ARTICLES HAVING IMPROVED EXPANSION BEHAVIOUR

Title (de)  
WASSERSTRAHLVERFESTIGTES FILTERMATERIAL FÜR RAUCHARTIKEL MIT VERBESSERTEM DEHNUNGSVERHALTEN

Title (fr)  
MATÉRIAU DE FILTRE HYDRO-ENCHEVÊTRÉ POUR ARTICLES À FUMER AYANT UN COMPORTEMENT D'EXPANSION AMÉLIORÉ

Publication  
**EP 4132303 A1 20230215 (DE)**

Application  
**EP 21733956 A 20210615**

Priority  
EP 2021066102 W 20210615

Abstract (en)  
[origin: WO2022262955A1] The invention relates to a hydroentangled nonwoven fabric for producing a segment for a smoking article, said hydroentangled nonwoven fabric being in the form of a web and containing at least 50% and at most 100% cellulose fibres, in each case based on the mass of the hydroentangled nonwoven fabric, said hydroentangled nonwoven fabric having a weight per unit area of at least 15 g/m<sup>2</sup> and at most 60 g/m<sup>2</sup>, the hydroentangled nonwoven fabric having a machine direction and a transverse direction orthogonal thereto in the plane of the web of the hydroentangled nonwoven fabric, and the hydroentangled nonwoven fabric having a characteristic plastic deformability in the transverse direction which is characterised in that, in a tensile test in the transverse direction according to ISO 1924-2:2008, the non-linear portion of the deformation energy absorbed by the hydroentangled nonwoven fabric up to half the elongation at break is at least 10% and at most 50% of the total deformation energy absorbed by the hydroentangled nonwoven fabric up to half the elongation at break.

IPC 8 full level  
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