

Title (en)

METHOD FOR PRODUCING HIGH-PERFORMANCE CHOPPED FIBER HAVING FIBRILS, HIGH-PERFORMANCE CHOPPED FIBER HAVING FIBRILS, AND ARTICLES COMPRISING THE SAME

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FIBRILLEN AUFWEISENDEN HOCHLEISTUNGSKURZFASERN, FIBRILLEN AUFWEISENDE HOCHLEISTUNGSKURZFASERN UND DIESE ENTHALTENDE ARTIKEL

Title (fr)

PROCÉDÉ DE FABRICATION DE FIBRES COURTES À HAUTES PERFORMANCES PRÉSENTANT DES FIBRILLES, FIBRES COURTES À HAUTES PERFORMANCES PRÉSENTANT DES FIBRILLES ET OBJET QUI LES CONTIENT

Publication

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Application

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Abstract (en)

[origin: WO2009050096A1] The invention relates to a method for producing high-performance chopped fiber having fibrils, comprising the steps a) preparing an organic high-performance filament yarn having a tensile strength of at least 10 g/dtex and a tensile elastic modulus of at least 150 g/dtex, b) fibrillation of the high-performance filament yarn in a dry yarn state, resulting in a high-performance filament yarn having fibrils, and c) cutting the high-performance filament yarn having fibrils resulting from step b) into high-performance chopped fibers having substantially the same length. The invention further relates to high-performance chopped fibers having substantially the same length, an article comprising said fibers and one or more fillers, and a method for producing such an article.

IPC 8 full level

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