Title (en)

CELLULOSE FIBRES WITH IMPROVED ELONGATION AT BREAK, AND METHODS FOR PRODUCING SAME

Title (de)

CELLULOSEFASERN MIT HOHER BRUCHDEHNUNG UND DEREN HERSTELLUNGSVERFAHREN

Title (fr)

FIBRES CELLULOSIQUES A ALLONGEMENT RUPTURE AMELIORE ET PROCEDES POUR LES OBTENIR

Publication

EP 0848767 B1 20010516 (FR)

Application

EP 96927680 A 19960805

Priority

• EP 9603444 W 19960805
• FR 9509905 A 19950810

Abstract (en)

[origin: US6261689B1] Fiber made of cellulose formate and fiber made of cellulose regenerated from cellulose formate. These fibers exhibit high tenacity and modulus properties, combined with improved values of elongation at break and of energy at break. Their elongation at break, in particular, is greater than 6%.Methods for producing these fibers. The fiber made of cellulose formate is obtained by spinning a liquid crystal solution of cellulose formate according to the so-called dry-jet-wet spinning method, the coagulation stage and the neutral washing stage which follow both being carried out in acetone. The fiber made of cellulose formate in a highly concentrated aqueous sodium hydroxide solution. The spinning and regeneration methods can be employed in line and continuously.Reinforcing assemblies based on such fibers. Articles reinforced by such fibers or assemblies, these reinforced articles being in particular tires.

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D01F 2/28; D01F 2/00; C08L 1/10

IPC 8 full level

D01F 2/00 (2006.01); **D01F 2/28** (2006.01); **D02G 3/48** (2006.01); **B60C 9/00** (2006.01)

CPC (source: EP US)

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WO2018202981A1; WO2016091810A1; WO2018202983A1; WO2016156263A1; WO2018202982A1; WO2017187032A1; US10960709B2; WO2019180369A1; WO2019180367A1; WO2016091812A1; US10689780B2; WO2016091811A1; WO2018202980A1

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