

Title (en)  
Absorbent product with elevated CD stretch and low tensile ratios made with a high solids fabric crepe process

Title (de)  
Absorbierendes Artikel mit Tuchkreppverfahren bei hohem Feststoffgehalt hergestellte Gewebe- und Tuchprodukte mit erhöhter CD-Dehnung und geringem Spannungsverhältnis

Title (fr)  
Produit absorbant ayant une extensibilité en sens travers élevée et un rapport de traction faible, réalisé au moyen d'un procédé de crêpage de tissu à teneur élevée en matière solide

Publication  
**EP 2492393 B1 20160706 (EN)**

Application  
**EP 12001672 A 20050412**

Priority  
• EP 05733808 A 20050412  
• US 56202504 P 20040414

Abstract (en)  
[origin: WO2005106117A1] An absorbent sheet of cellulosic fibers includes a mixture of hardwood fibers and softwood fibers arranged in a reticulum having: (i) a plurality of pileated fiber enriched regions of relatively high local basis weight interconnected by way of (ii) a plurality of lower local basis weight linking regions whose fiber orientation is biased along the machine direction between pileated regions interconnected thereby, wherein the sheet exhibits a % CD stretch which is at least about 2.75 times the dry tensile ratio of the sheet. Tensile ratios of from about 0.4 to about 4 are readily achieved.

IPC 8 full level  
**D21F 11/02** (2006.01); **B31F 1/12** (2006.01); **D21F 11/00** (2006.01); **D21H 11/20** (2006.01); **D21H 27/00** (2006.01)

CPC (source: EP NO)  
**B31F 1/12** (2013.01 - NO); **B31F 1/126** (2013.01 - EP); **D21F 11/006** (2013.01 - EP); **D21F 11/02** (2013.01 - NO); **D21H 11/20** (2013.01 - NO); **D21H 27/005** (2013.01 - EP NO); **D21H 27/008** (2013.01 - EP NO)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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**WO 2005106117 A1 20051110**; CA 2559526 A1 20051110; CA 2559526 C 20130723; CN 100587158 C 20100203; CN 101575823 A 20091111; CN 101575823 B 20110629; CN 1942626 A 20070404; CY 1117270 T1 20170426; CY 1118013 T1 20170517; DK 1735496 T3 20151123; DK 2492393 T3 20160912; EG 24371 A 20090316; EP 1735496 A1 20061227; EP 1735496 B1 20151014; EP 2492393 A1 20120829; EP 2492393 B1 20160706; ES 2552762 T3 20151202; ES 2590139 T3 20161118; HK 1095861 A1 20070518; HK 1168395 A1 20121228; HU E026574 T2 20160628; HU E030454 T2 20170529; IL 177760 A0 20061231; IL 177760 A 20101230; IL 203346 A 20110731; LT 2492393 T 20160926; NO 20065220 L 20070115; NO 20170506 A1 20070115; NO 340490 B1 20170502; PL 1735496 T3 20160129; PL 2492393 T3 20161230; PT 1735496 E 20151123; PT 2492393 T 20160902; RU 2006140088 A 20080520; RU 2365326 C2 20090827; SI 1735496 T1 20160229; SI 2492393 T1 20170131; TN SN06280 A1 20071203

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**US 2005012320 W 20050412**; CA 2559526 A 20050412; CN 200580011238 A 20050412; CN 200910134887 A 20050412; CY 151101017 T 20151112; CY 161100910 T 20160913; DK 05733808 T 20050412; DK 12001672 T 20050412; EG NA2006000974 A 20061012; EP 05733808 A 20050412; EP 12001672 A 20050412; ES 05733808 T 20050412; ES 12001672 T 20050412; HK 07101896 A 20070216; HK 12108494 A 20070216; HU E05733808 A 20050412; HU E12001672 A 20050412; IL 17776006 A 20060829; IL 20334610 A 20100117; LT 12001672 T 20050412; NO 20065220 A 20061114; NO 20170506 A 20170328; PL 05733808 T 20050412; PL 12001672 T 20050412; PT 05733808 T 20050412; PT 12001672 T 20050412; RU 2006140088 A 20050412; SI 200532022 T 20050412; SI 200532093 A 20050412; TN SN06280 A 20060912