

Title (en)
SEAMED FELT FOR PAPERMAKING

Title (de)
NAHTFILZ ZUR PAPIERHERSTELLUNG

Title (fr)
FEUTRE A COUTURE POUR FABRICATION DE PAPIER

Publication
EP 2006444 A4 20090325 (EN)

Application
EP 07741814 A 20070411

Priority
• JP 2007058378 W 20070411
• JP 2006131921 A 20060411

Abstract (en)
[origin: EP2006444A2] A papermaking seamed felt 10 of the present invention comprises a base layer 30 having a seam part, a wet paper web side batt fiber layer 20 formed on the wet paper web side surface of said base layer, and a press side batt fiber layer 21 formed on the press side surface thereof, wherein said wet paper web side batt fiber layer 20 having a core-in-sheath fiber 41 comprising a core member made of high-molecular-weight nylon with an absolute viscosity of 80mPa·s or more and a sheath member made of nylon with a lower melting point than the core member. A net-shaped fiber layer is formed with melted sheath members of the core-in-sheath fiber 41, which makes the wet paper web side batt fiber layer 20 dense. As a result, the wet paper web side batt fiber layer 20 works as a barrier to block water within the press side layer from moving to the wet paper web side, thereby preventing rewetting. Further, the felt acquires a balanced combination of smoothness, resistance to shedding, abrasion, and compression fatigue by providing the core member of the core-in-sheath fiber 41 with high viscosity, i.e. by using high-molecular-weight nylon.

IPC 8 full level
D21F 7/08 (2006.01); **D21F 7/10** (2006.01)

CPC (source: EP KR US)
D21F 7/08 (2013.01 - KR); **D21F 7/083** (2013.01 - EP US); **D21F 7/10** (2013.01 - EP KR US)

Citation (search report)
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Designated contracting state (EPC)
DE FI NL

DOCDB simple family (publication)
EP 2006444 A2 20081224; **EP 2006444 A4 20090325**; CA 2649264 A1 20071025; CN 101421458 A 20090429; JP 2007277784 A 20071025; JP 4976740 B2 20120718; KR 20080113213 A 20081229; TW 200738934 A 20071016; US 2009120603 A1 20090514; WO 2007119856 A1 20071025

DOCDB simple family (application)
EP 07741814 A 20070411; CA 2649264 A 20070411; CN 200780012920 A 20070411; JP 2006131921 A 20060411; JP 2007058378 W 20070411; KR 20087022749 A 20080918; TW 96112403 A 20070410; US 22615307 A 20070411