

Title (en)  
PRESS FELT FOR PAPERMAKING

Title (de)  
PRESSFILZ ZUR PAPIERHERSTELLUNG

Title (fr)  
FEUTRE DE PRESSE POUR FABRIQUER DU PAPIER

Publication  
**EP 1985752 A1 20081029 (EN)**

Application  
**EP 07708116 A 20070131**

Priority  
• JP 2007052067 W 20070131  
• JP 2006066678 A 20060214

Abstract (en)  
A press felt 10 comprises a base body 30, a wet paper web side batt layer 20, and a press side batt layer 23. The wet paper web side batt layer 20 has a wet paper web contact side batt layer 21 and a base body side batt layer 22, the wet paper web contact side batt layer 21 being made of a core-in-sheath fiber 41 which has 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, and the base body side batt layer 22 being made of a nylon fiber 42 which does not include the core-in-sheath fiber 41. Rewetting of the wet paper web can be prevented, because water within the press side batt layer 23 is blocked from moving to the wet paper web side due to increased density of the wet paper web contact side batt layer 21 resulted from melting of the sheath member of the core-in-sheath fiber 41. Moreover, since the base body side batt layer 22 is made of nylon without the core-in-sheath fiber, the press felt is provided with a balanced combination of smoothness, resistance to dehairing, abrasion and compression fatigue, and dewatering capability.

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

CPC (source: EP KR US)  
**D21F 7/00** (2013.01 - KR); **D21F 7/08** (2013.01 - KR); **D21F 7/083** (2013.01 - EP US); **D21G 9/0009** (2013.01 - EP US)

Citation (third parties)  
Third party :  
• WO 2005098128 A1 20051020 - EMS CHEMIE AG [CH], et al  
• EP 1004691 B1 20031217 - EMS CHEMIE AG [CH]  
• JP H11200274 A 19990727 - ICHIKAWA WOOLEN TEXTILE  
• ANONYMOUS: "Ullmans Encyklopädie der technische chemie", vol. 21, 1982, VERLAG CHEMIE, ISBN: 3-527-20000-2, article "Schwefel bis Sprengstoffe", pages: 118, XP003024884

Designated contracting state (EPC)  
DE FI FR IT SE

DOCDB simple family (publication)  
**EP 1985752 A1 20081029**; **EP 1985752 A4 20090325**; AU 2007216016 A1 20070823; BR PI0707822 A2 20110510; CA 2642541 A1 20070823; CN 101384770 A 20090311; JP 2007217848 A 20070830; JP 4157136 B2 20080924; KR 20080100418 A 20081118; TW 200736462 A 20071001; US 2010163202 A1 20100701; WO 2007094207 A1 20070823

DOCDB simple family (application)  
**EP 07708116 A 20070131**; AU 2007216016 A 20070131; BR PI0707822 A 20070131; CA 2642541 A 20070131; CN 200780005065 A 20070131; JP 2006066678 A 20060214; JP 2007052067 W 20070131; KR 20087015589 A 20080626; TW 96105376 A 20070214; US 22383407 A 20070131