

Title (en)
PRESS FELT FOR PAPERMAKING

Title (de)
PRESSFILZ ZUR PAPIERHERSTELLUNG

Title (fr)
FEUTRE DE PRESSE POUR LA FABRICATION DU PAPIER

Publication
EP 1944411 A1 20080716 (EN)

Application
EP 06768454 A 20060809

Priority
• JP 2006316060 W 20060809
• JP 2005232034 A 20050810

Abstract (en)
Press felt 10 comprises a base body 20 and batt layers 30 which are needled together. The batt layers 30 comprise a paper carrying side layer 32, a intermediate layer 34 and a press side layer 36. The intermediate layer 34 formed in the batt layers 30 of the paper carrying side is made of a blend of staple fibers 50 and hollow fibers 52 or solely of hollow fibers 52. Hollow fibers 52 of intermediate layer 34, flattened under nip pressure, rebound to their uncompressed state as they are released from the nip pressure, exhibiting anti-rewetting effect by absorbing water within the press felt 10 into the void core from the ends before the water backs to the wet paper web.

IPC 8 full level
D21F 7/08 (2006.01)

CPC (source: EP)
D21F 7/083 (2013.01)

Designated contracting state (EPC)
DE FI FR IT SE

DOCDB simple family (publication)
EP 1944411 A1 20080716; EP 1944411 A4 20081008; JP 2007046196 A 20070222; WO 2007018313 A1 20070215

DOCDB simple family (application)
EP 06768454 A 20060809; JP 2005232034 A 20050810; JP 2006316060 W 20060809