

Title (en)

ABSORBENT PAPER PRODUCT WITH ASYMMETRIC STRUCTURE

Title (de)

SAUGFÄHIGES PAPIERPRODUKT MIT UNSYMMETRISCHER STRUKTUR

Title (fr)

PRODUIT EN PAPIER ABSORBANT A STRUCTURE DISSYMETRIQUE

Publication

EP 1285133 B1 20111012 (FR)

Application

EP 01934096 A 20010511

Priority

- FR 0101433 W 20010511
- FR 0006108 A 20000512

Abstract (en)

[origin: WO0186066A2] The invention concerns a cotton-wool-like cellulose having a basis weight of about 20 to about 80 g/m² comprising, an embossed ply of 10 to 40 g/m², including raised designs consisting at least partly of discrete protuberances oriented towards the inside of the structure, and a non-embossed ply. The invention is characterised in that the embossed ply has over at least a surface portion at least 30 protuberances per cm² whereof the surface is less than 1 mm², preferably less than 0.7 mm², and the basis weight of the embossed ply is less than that of the non-embossed ply. Preferably, it is less by 5 to 30 %.

IPC 8 full level

D21H 27/40 (2006.01); **D21H 27/38** (2006.01)

CPC (source: EP US)

D21H 27/38 (2013.01 - EP US); **D21H 27/40** (2013.01 - EP US); **Y10T 428/24455** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0186066 A2 20011115; **WO 0186066 A3 20020228**; AT E528445 T1 20111015; CA 2379081 A1 20011115; CA 2379081 C 20090901; DK 1285133 T3 20120130; EP 1285133 A2 20030226; EP 1285133 B1 20111012; ES 2374969 T3 20120223; FR 2808816 A1 20011116; FR 2808816 B1 20030530; PT 1285133 E 20120116; US 2002148579 A1 20021017; US 6723203 B2 20040420

DOCDB simple family (application)

FR 0101433 W 20010511; AT 01934096 T 20010511; CA 2379081 A 20010511; DK 01934096 T 20010511; EP 01934096 A 20010511; ES 01934096 T 20010511; FR 0006108 A 20000512; PT 01934096 T 20010511; US 3120502 A 20020110