

Title (en)

CREPED ABSORBENT PAPER SHEET, ROLL FOR EMBOSSING SUCH A SHEET AND EMBOSSING PROCESS

Title (de)

GEKREPPTE UND SAUGFÄHIGE PAPIERBAHN, ROLLE ZUR PRÄGUNG EINER SOLCHEN BAHN UND PRÄGEVERFAHREN

Title (fr)

FEUILLE DE PAPIER ABSORBANT CRÊPÉ, CYLINDRE DE GAUFRAGE D'UNE TELLE FEUILLE ET PROCÉDÉ DE GAUFRAGE

Publication

EP 2170596 B1 20160810 (FR)

Application

EP 08826682 A 20080623

Priority

- FR 2008000878 W 20080623
- FR 0705080 A 20070713

Abstract (en)

[origin: WO2009016274A2] The invention provides an embossed sheet composed of at least a first and a second ply of creped cellulose wadding having a basis weight between 12 and 30 g/m² according to which the first ply (4) has a first embossed pattern composed of a series of first aligned protrusions (20) of frustoconical overall shape, the tops of which are oriented towards the inside of the sheet, the second ply (2) comprises a first and a second series of protrusions, the tops of which are oriented towards the inside of the sheet, the first series (5) having a height greater than that of the second series of protrusions (3). According to the invention, the protrusions (20) of the first ply (4) and the highest protrusions (5) of the second ply (2) are nested inside one another, and the lowest protrusions (3) of the second ply (2) are arranged between the protrusions of the first ply so as to create empty spaces (6) between the two plies that promote a rapid absorption of liquid. The invention furthermore relates to a pair of rolls and to the associated process for producing such embossed sheets.

IPC 8 full level

B31F 1/07 (2006.01)

CPC (source: EP US)

B31F 1/07 (2013.01 - EP US); **B31F 2201/0733** (2013.01 - EP US); **B31F 2201/0738** (2013.01 - EP US); **B31F 2201/0756** (2013.01 - EP US); **B31F 2201/0761** (2013.01 - EP US); **B31F 2201/0764** (2013.01 - EP US); **Y10T 156/1023** (2015.01 - EP US); **Y10T 428/24463** (2015.01 - EP US); **Y10T 428/24562** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US); **Y10T 428/24678** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2918598 A1 20090116; **FR 2918598 B1 20110715**; CA 2692830 A1 20090205; EA 016514 B1 20120530; EA 201000001 A1 20101029; EP 2170596 A2 20100407; EP 2170596 B1 20160810; ES 2592685 T3 20161201; HU E031819 T2 20170828; US 2010136291 A1 20100603; US 8216664 B2 20120710; WO 2009016274 A2 20090205; WO 2009016274 A3 20090430; WO 2009016274 A4 20090723

DOCDB simple family (application)

FR 0705080 A 20070713; CA 2692830 A 20080623; EA 201000001 A 20080623; EP 08826682 A 20080623; ES 08826682 T 20080623; FR 2008000878 W 20080623; HU E08826682 A 20080623; US 66850108 A 20080623