

Title (en)

Creped and embossed absorbent paper, embossing cylinder and process

Title (de)

Gekrepptes und geprägtes, saugfähiges Papier, Prägezylinder und Prägeverfahren

Title (fr)

Feuille de papier absorbant crêpée et gaufrée, cylindre de gaufrage d'une telle feuille et procédé de gaufrage

Publication

EP 1236830 B1 20070411 (FR)

Application

EP 01400477 A 20010223

Priority

EP 01400477 A 20010223

Abstract (en)

[origin: EP1236830A1] The embossed absorbent paper is made from at least two layers (12, 14) of creped cellulose wadding with a weight of between 12 and 30 g/sq m. Each layer has two embossed patterns with truncated conical protuberances - one with large protuberances (18) with summits (32) extending as far as the inner surface (24) of the opposite layer, and the other with smaller protuberances (38, 40) with summits (42, 44) that meet in the middle between the layers but are not linked. The larger protuberances are in a pattern of concentric rings, while the smaller ones fill the spaces between them. The layers of the paper are formed between pairs of rollers with projecting studs and then assembled.

IPC 8 full level

D21H 27/40 (2006.01); **B31F 1/07** (2006.01)

CPC (source: EP)

B31F 1/07 (2013.01); **D21H 27/40** (2013.01); **B31F 2201/0733** (2013.01); **B31F 2201/0738** (2013.01); **B31F 2201/0761** (2013.01); **B31F 2201/0764** (2013.01); **B31F 2201/0766** (2013.01)

Cited by

CN102245376A; EA016514B1; FR2918598A1; CN109091913A; CN110325083A; WO2009016274A3; US8216664B2

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)

EP 1236830 A1 20020904; **EP 1236830 B1 20070411**; AT E359396 T1 20070515; CA 2406577 A1 20020906; CA 2406577 C 20100112; DE 60127806 D1 20070524; DE 60127806 T2 20071227; DK 1236830 T3 20070820; ES 2284600 T3 20071116; NO 20025046 D0 20021021; NO 20025046 L 20021220; NO 332242 B1 20120806; PT 1236830 E 20070718; WO 02068758 A1 20020906

DOCDB simple family (application)

EP 01400477 A 20010223; AT 01400477 T 20010223; CA 2406577 A 20020222; DE 60127806 T 20010223; DK 01400477 T 20010223; ES 01400477 T 20010223; FR 0200673 W 20020222; NO 20025046 A 20021021; PT 01400477 T 20010223