

Title (en)
Embossed absorbent paper sheet

Title (de)
Saugfähiges geprägtes Papierprodukt

Title (fr)
Produit en papier absorbant gaufré

Publication
EP 1455014 B1 20110817 (FR)

Application
EP 03005090 A 20030307

Priority
EP 03005090 A 20030307

Abstract (en)
[origin: EP1455014A1] The absorbent paper, especially of cellulose wadding, consists of two or more layers, at least one of which is embossed in a pattern with protuberances (1, 2, 3) having a density of 30 per sq cm or more. The embossed pattern has at least two adjacent zones with different protuberance densities and/or heights to produce a relief effect. The tips of the protuberances, which have a surface area of at least 0.03 sq mm for small ones and up to about 0.80 sq mm for large ones, occupy between 7 and 45 per cent of the embossed area of the paper, and the difference in their densities and/or heights is between 7 and 45 per cent. The embossed pattern comprises at least one first zone (1) with protuberances of one density, surrounded by at least one second zone (2, 3) with protuberances having a greater density than the first zone. The pattern can have a geometrical or aesthetic design. The layers of the paper are joined together by adhesive, and one variant of the design can have a non-embossed layer between two embossed ones.

IPC 8 full level
D21H 27/40 (2006.01); **B31F 1/07** (2006.01)

CPC (source: EP US)
B31F 1/07 (2013.01 - EP US); **D21H 27/40** (2013.01 - EP US); **B31F 2201/0738** (2013.01 - EP US); **Y10T 428/24479** (2015.01 - EP US); **Y10T 428/24562** (2015.01 - EP US); **Y10T 428/24628** (2015.01 - EP US); **Y10T 428/24942** (2015.01 - EP US); **Y10T 428/24992** (2015.01 - EP US)

Cited by
US7494564B2; US10006172B2; WO2006132883A3; WO2007080322A3; WO2009060353A1; US10253459B2; US10669674B2

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