

Title (en)  
Embossed absorbent paper sheet

Title (de)  
Saugfähiges geprägtes Papierprodukt

Title (fr)  
Produit en papier absorbant gaufré

Publication  
**EP 1455014 A1 20040908 (FR)**

Application  
**EP 03005090 A 20030307**

Priority  
EP 03005090 A 20030307

Abstract (en)  
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.

Abstract (fr)  
L'invention concerne un produit en papier absorbant, notamment en ouate de cellulose comprenant au moins deux plis dont l'un au moins est gaufré suivant un motif de gaufrage comprenant des protubérances (1,2,3) de densité supérieure ou égale à 30 par cm<2>. Conformément à l'invention, ledit motif de gaufrage comprend au moins deux zones juxtaposées dont les protubérances (1,2,3) présentent respectivement une densité différente et/ou une surface au sommet différente afin d'obtenir un effet de relief sur ledit produit. <IMAGE>

IPC 1-7  
**D21H 27/40**; **B31F 1/07**

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

CPC (source: EP US)  
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Citation (search report)  
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• [A] GB 2376436 A 20021218 - SCA HYGIENE PROD GMBH [DE]  
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