

Title (en)

SHEET OF EMBOSSED ABSORBENT PAPER, AND A METHOD AND DEVICE FOR PRODUCING SAME

Title (de)

GEPRÄGTE ABSORBIERENDE PAPIERBAHN, HERSTELLUNGSVERFAHREN UND VORRICHTUNG ZU DESSEN HERSTELLUNG

Title (fr)

FEUILLE DE PAPIER ABSORBANT GAUFRE, SON PROCÉDE DE FABRICATION ET DISPOSITIF PERMETTANT DE LA FABRIQUER

Publication

EP 1047546 B1 20031203 (FR)

Application

EP 99900511 A 19990111

Priority

- FR 9900029 W 19990111
- FR 9800230 A 19980113

Abstract (en)

[origin: US6524683B1] The present invention relates to a sheet (1, 2) of absorbent paper, in particular made of cellulose cotton and of a specific surface weight between 10 and 40 g/m², comprising a first embossed zone such as is provided by embossing between an undeforming cylinder (A12) fitted with protrusions and a cylinder fitted with a resilient cladding (C) in such manner that the sheet (1, 2) comprises on one side in particular frustoconical salients (120, 110) of which the tops are situated substantially in one plane. The salients (110, 120) corresponding to recesses on the opposite side, the sheet being characterized in that the first embossed zone (110) constitutes a background base pattern of which the number of salients of height H1 relative to the plane is greater than 30 per cm², and in that it comprises at least a second pattern (G) constituted of salient-free zones of which the height H2 relative to the plane is greater than H1. The invention furthermore concerns the manufacture of such a sheet and to apparatus designed to implement the method.

IPC 1-7

B31F 1/07; **D21H 27/02**

IPC 8 full level

B31F 1/07 (2006.01); **D21H 27/40** (2006.01); **D21H 27/02** (2006.01)

CPC (source: EP US)

B31F 1/07 (2013.01 - EP US); **D21H 27/40** (2013.01 - EP US); **B31F 2201/0728** (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 2201/0766** (2013.01 - EP US); **D21H 27/02** (2013.01 - EP US); **Y10T 156/1023** (2015.01 - EP US); **Y10T 428/24463** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US)

Cited by

US8708020B2; EP1991411B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 6524683 B1 20030225; AT E255494 T1 20031215; DE 69913315 D1 20040115; DE 69913315 T2 20041014; DK 1047546 T3 20040413; EP 1047546 A1 20001102; EP 1047546 B1 20031203; ES 2212518 T3 20040716; FR 2773564 A1 19990716; FR 2773564 B1 20000211; TR 200002028 T2 20001221; WO 9936253 A1 19990722

DOCDB simple family (application)

US 60019800 A 20000726; AT 99900511 T 19990111; DE 69913315 T 19990111; DK 99900511 T 19990111; EP 99900511 A 19990111; ES 99900511 T 19990111; FR 9800230 A 19980113; FR 9900029 W 19990111; TR 200002028 T 19990111