

Title (en)
ABSORBENT MATERIAL AND METHOD FOR THE PRODUCTION OF THE SAME

Title (de)
ABSORPTIONSMATERIAL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
MATIERE ABSORBANTE ET SON PROCEDE DE PRODUCTION

Publication
EP 1404267 A2 20040407 (DE)

Application
EP 01992542 A 20011106

Priority
• DE 10054734 A 20001106
• EP 0112840 W 20011106

Abstract (en)
[origin: US2004063801A1] The invention relates to a method for producing an absorbent material for water, aqueous solution and bodily fluid. The absorbent material consists of at least two components Q and B, namely of component Q containing 100 parts by weight of particles and of component B containing between 2 and 250 parts by weight of water. A homogeneous blending of the components produces an absorbent material in flake form, which forms cavities as a result of the mutual adhesion of the particles and/or covalent and/or ionic bonding. Directly after blending, the bulk and/or cavity volume has increased by at least 1% by volume in relation to the sum of the individual volumes of the components used, which correspond to 100% by volume.

IPC 1-7
A61F 13/00

IPC 8 full level
B65D 88/76 (2006.01); **B65D 90/22** (2006.01); **E02D 27/38** (2006.01); **E02D 31/12** (2006.01)

CPC (source: EP US)
B65D 88/76 (2013.01 - EP US); **B65D 90/22** (2013.01 - EP US); **E02D 27/38** (2013.01 - EP US); **E02D 31/12** (2013.01 - EP US);
Y02A 20/00 (2017.12 - EP US)

Citation (search report)
See references of WO 0236053A2

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)
US 2004063801 A1 20040401; EP 1404267 A2 20040407; WO 0236053 A2 20020510; WO 0236053 A3 20040108

DOCDB simple family (application)
US 41599203 A 20030915; EP 0112840 W 20011106; EP 01992542 A 20011106