

Title (en)

ABSORBENT INCLUDING SUPER ABSORBENT AND CAPACITY MONITOR

Title (de)

KAPAZITÄTSKONTROLLVORRICHTUNG MIT SUPERABSORBIERENDEM MATERIAL UND ABSORPTIONSKERN

Title (fr)

DISPOSITIF DE CONTROLE DE CAPACITE AVEC MATERIAU SUPERABSORBANT ET NOYAU ABSORBANT

Publication

EP 0727975 A1 19960828 (EN)

Application

EP 94901403 A 19931112

Priority

- US 9310890 W 19931112
- US 97583892 A 19921113
- US 9655293 A 19930723

Abstract (en)

[origin: WO9410958A1] A capacity monitor for diapers (10) and the like, including super absorbent material disposed in or adjacent to an absorbent core (16) is disclosed. The monitor (20) comprises an indicator (24) and a baffle (22) to prevent direct contact between the absorbent core and the indicator. The indicator (24) is preferably a ribbon of hot melt adhesive with a wetness indicator which changes color when exposed to liquid. The baffle (22) is a substantially water impervious sheet positioned between the absorbent core (16) and the indicator (24) so as to prevent direct contact between them. The diaper (10) and the monitor (20) are constructed so that there is a threshold level of liquid which, when deposited in the diaper, will effect a color change in the indicator (24). A quantity of liquid which is below the threshold will not effect a color change in the indicator (24) and a quantity of liquid which is above the threshold will effect a color change in the indicator (24).

IPC 1-7

A61F 13/15; **A61F 13/20**

IPC 8 full level

A61F 13/42 (2006.01); **A61F 13/15** (2006.01)

CPC (source: EP)

A61F 13/42 (2013.01); **A61F 2013/426** (2013.01)

Cited by

US8222476B2

Designated contracting state (EPC)

AT BE DE GB NL

DOCDB simple family (publication)

WO 9410958 A1 19940526; AU 5600194 A 19940608; CA 2149325 A1 19940526; CA 2149325 C 20031216; EP 0727975 A1 19960828; EP 0727975 A4 19960911

DOCDB simple family (application)

US 9310890 W 19931112; AU 5600194 A 19931112; CA 2149325 A 19931112; EP 94901403 A 19931112