

Title (en)

ABSORBENT MATERIALS HAVING IMPROVED STRUCTURAL STABILITY IN DRY AND WET STATES AND MAKING METHODS THEREFOR

Title (de)

ABSORPTIONSMATERIALIEN MIT VERBESSERTER STRUKTURELLER STABILITÄT IM FEUCHTEN UND TROCKENEN ZUSTAND UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

MATERIAUX ABSORBANTS A STABILITE DE STRUCTURE ACCRUE A L'ETAT SEC AUSSI BIEN QU'A L'ETAT HUMIDE ET LEURS PROCEDES DE PRODUCTION

Publication

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Application

**EP 97922366 A 19970424**

Priority

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- US 9706603 W 19970424

Abstract (en)

[origin: WO9739780A1] An absorbent material having substantially improved structural stability in the dry and wet states. The absorbent materials are significantly less susceptible to handling losses of absorbent gelling particles during manufacturing operations. The absorbent material also is not subject to shifting of the absorbent gelling particles during or after swelling by fluids. The absorbent material comprises absorbent gelling particles comprising (a) a water-insoluble absorbent hydrogel-forming polymer; (b) a polycationic polymer bonded to the absorbent gelling particles at the surface thereof; (c) glue microfibers dispersed in the absorbent gelling particles; and (d) a carrier layer bonded to the absorbent gelling particles through the glue microfibers. The invention further relates to a method of making the absorbent materials, and the absorbent articles comprising the absorbent materials.

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