

Title (en)

ABSORBENT COMPOSITES CONTAINING BIODEGRADABLE REINFORCING FIBRES

Title (de)

SAUGFÄHIGE VERBUNDMATERIALIEN MIT BIOLOGISCH ABBAUBAREN VERSTÄRKUNGSFASERN

Title (fr)

COMPOSITES ABSORBANTS CONTENANT DES FIBRES DE RENFORCEMENT BIODEGRADABLES

Publication

EP 1830894 A1 20070912 (EN)

Application

EP 05818779 A 20051109

Priority

- US 2005040839 W 20051109
- US 2755604 A 20041230

Abstract (en)

[origin: US2006147689A1] An absorbent composite contains a superabsorbent material and thermoplastic biodegradable reinforcing fibers, and may also contain pulp fibers. The superabsorbent material may be biodegradable, providing a biodegradable absorbent composite. The superabsorbent material may have a gel strength from about 500 dynes/cm²to about 80,000 dynes/cm². The biodegradable reinforcing fibers may contain fibers of a polyester such as poly(lactic acid). The biodegradable reinforcing fibers may be wettable, reducing or eliminating the need for treating the surface of the fibers with a wetting agent such as a surfactant, and may provide desirable performance without being bonded to the other components.

IPC 8 full level

A61L 15/26 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2006073556A1

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