

Title (en)

UNITARY ABSORBENT STRUCTURE CONTAINING SUPERABSORBENT POLYMER

Title (de)

SUPERABSORBIERENDES MATERIAL ENTHALTENDE EINHEITLICHE SAUGFÄHIGE STRUKTUR

Title (fr)

STRUCTURE UNITAIRE ABSORBANTE RENFERMANT UN POLYMERE ULTRA-ABSORBANT

Publication

**EP 1087743 A1 20010404 (EN)**

Application

**EP 99955416 A 19990608**

Priority

- US 9913174 W 19990608
- US 8845498 P 19980608

Abstract (en)

[origin: WO9963925A1] Disclosed is a unitary absorbent structure (10), including an upper fibrous layer (12) having a liquid acquisition zone (2) extending to one surface, and a liquid distribution zone (4) extending to the other surface. A lower fibrous liquid storage layer (14) is in liquid communication with the distribution zone surface of the upper layer. The storage layer includes SAP particles (18). A containment layer (8) surrounds the storage layer and extends to the outer edges of the structure. The containment layer contains the fibers (6), and SAP particles of the storage layer against the distribution zone surface of the upper layer.

IPC 1-7

**A61F 13/46**

IPC 8 full level

**A61F 13/53** (2006.01); **A61F 5/44** (2006.01); **A61F 13/14** (2006.01); **A61F 13/15** (2006.01); **A61F 13/49** (2006.01); **B32B 5/22** (2006.01); **B32B 5/26** (2006.01); **C08J 5/18** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP KR)

**A61F 13/531** (2013.01 - EP KR); **A61F 13/534** (2013.01 - EP KR); **B32B 5/22** (2013.01 - EP KR); **D04H 1/4374** (2013.01 - EP KR); **D04H 1/732** (2013.01 - EP KR)

Citation (search report)

See references of WO 9963925A1

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