

Title (en)

TRANSPORTING OF LIQUID BY A CAPILLARY FIBER STRUCTURE

Title (de)

FLÜSSIGKEITSTRANSPORT MIT HILFE EINER KAPILLAREN FASERSTRUKTUR

Title (fr)

TRANSPORT DE LIQUIDE AU MOYEN D'UNE STRUCTURE FIBREUSE CAPILLAIRE

Publication

EP 0776189 A1 19970604 (EN)

Application

EP 95927190 A 19950714

Priority

- US 9508896 W 19950714
- US 28853094 A 19940810

Abstract (en)

[origin: WO9604876A1] A fiber structure for spontaneously transporting a liquid in a desired direction, said fiber structure being capable of interfiber liquid transport. The fiber structure comprises at least two fibers, wherein the fibers are wettable with a liquid to be contacted with the fiber structure, and a first zone and a second zone, wherein the first zone has an average capillary radius greater than the average capillary radius of the second zone. Also disclosed is a disposable absorbent product capable of absorbing discharged body liquids that includes the fiber structure.

IPC 1-7

A61F 13/46

IPC 8 full level

A61F 13/472 (2006.01); **A61F 5/44** (2006.01); **A61F 13/15** (2006.01); **A61L 15/00** (2006.01); **B01J 20/28** (2006.01)

CPC (source: EP)

A61F 13/538 (2013.01); **A61F 2013/530897** (2013.01)

Citation (search report)

See references of WO 9604876A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

WO 9604876 A1 19960222; AU 3129495 A 19960307; CA 2147685 A1 19960211; EP 0776189 A1 19970604; FR 2723542 A1 19960216; FR 2723542 B1 19970418; JP H10507374 A 19980721; MX 9701030 A 19970531; PE 55096 A1 19961219; SV 1995000051 A 19970217; TR 199500983 A2 19960621; UY 24015 A1 19960121; ZA 956592 B 19960319

DOCDB simple family (application)

US 9508896 W 19950714; AU 3129495 A 19950714; CA 2147685 A 19950424; EP 95927190 A 19950714; FR 9509570 A 19950807; JP 50732296 A 19950714; MX 9701030 A 19950714; PE 27575595 A 19950808; SV 1995000051 A 19950810; TR 9500983 A 19950809; UY 24015 A 19950810; ZA 956592 A 19950807