

Title (en)
BIODEGRADABLE NONWOVEN WEBS FOR FLUID MANAGEMENT

Title (de)
BIOLOGISCH ABBAUBARE VLIESTOFFE ZUR FLÜSSIGKEITSKONTROLLE

Title (fr)
BANDES NON TISSEES BIODEGRADABLES POUR GESTION DE FLUIDES

Publication
EP 1257704 A1 20021120 (EN)

Application
EP 00986372 A 20001214

Priority

- US 0033853 W 20001214
- US 47457999 A 19991229

Abstract (en)
[origin: WO0148291A1] Nonwoven webs for use as the surge layer of personal care articles are provided. The webs include a first, binder fiber, which is a biodegradable thermoplastic fiber that does not undergo severe heat shrinkage. The webs further include a second fiber which is a biodegradable, high tenacity cellulosic fiber. The first and second fibers are combined to form a web that has a moderate permeability, in the range of 500 to 1500 $\mu\text{m}^2/\text{s}$, and a high void volume, greater than 25 cm^3/g .

IPC 1-7
D04H 1/42; D04H 1/54

IPC 8 full level
A61F 13/53 (2006.01); **A61F 5/44** (2006.01); **A61F 13/15** (2006.01); **A61F 13/49** (2006.01); **A61F 13/551** (2006.01); **C08L 101/16** (2006.01); **D04H 1/42** (2012.01); **D04H 1/54** (2012.01)

CPC (source: EP KR US)
A61F 13/15252 (2013.01 - EP KR); **A61F 13/537** (2013.01 - EP KR); **D04H 1/425** (2013.01 - EP); **D04H 1/4258** (2013.01 - EP KR); **D04H 1/435** (2013.01 - EP KR); **D04H 1/43828** (2020.05 - EP KR US); **D04H 1/43832** (2020.05 - EP KR US); **D04H 1/43835** (2020.05 - EP KR US); **D04H 1/54** (2013.01 - EP KR); **D04H 1/541** (2013.01 - KR); **D04H 1/55** (2013.01 - KR)

Citation (search report)
See references of WO 0148291A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI

DOCDB simple family (publication)
WO 0148291 A1 20010705; AU 2262301 A 20010709; BR 0016791 A 20030318; CN 1437665 A 20030820; EP 1257704 A1 20021120; JP 2003518567 A 20030610; KR 20020071009 A 20020911; MX PA02006533 A 20021209; RU 2002120286 A 20040110; ZA 200205227 B 20030630

DOCDB simple family (application)
US 0033853 W 20001214; AU 2262301 A 20001214; BR 0016791 A 20001214; CN 00819229 A 20001214; EP 00986372 A 20001214; JP 2001548790 A 20001214; KR 20027008579 A 20020629; MX PA02006533 A 20001214; RU 2002120286 A 20001214; ZA 200205227 A 20020628