

Title (en)

CONCENTRATING LIQUID ABSORPTION TO THE CENTER OF BREATHABLE ABSORBENT ARTICLES

Title (de)

ÜBERWIEGEND IM MITTELBEREICH EINES ABSORBIERENDEN ARTIKELS KONZENTRIERTE FLÜSSIGKEITSAUFNAHME

Title (fr)

CONCENTRATION DE L'ABSORPTION DE LIQUIDE AU CENTRE D'ARTICLES ABSORBANTS IMPER-RESPIRANTS

Publication

**EP 1014908 A1 20000705 (EN)**

Application

**EP 98946059 A 19980911**

Priority

- EP 98946059 A 19980911
- EP 97116440 A 19970920
- US 9819055 W 19980911

Abstract (en)

[origin: EP0903134A1] The present invention relates to the use of an absorbent material in an absorbent article, such as a breathable sanitary napkin in order to concentrate the absorbed liquid in the central region of the breathable absorbent article. In particular the present invention relates to the use of an absorbent expanding material which upon absorption expands more than the absorbed volume of liquid requires in order to provide additional void volume. In addition the present invention relates to breathable absorbent articles such as baby diapers, adult incontinence products or sanitary articles in which the material of the absorbent core has a better liquid transport capability into the thickness of the article than within the plane of the article. <IMAGE>

IPC 1-7

**A61F 13/15**

IPC 8 full level

**A61F 5/44** (2006.01); **A61F 13/15** (2006.01); **A61F 13/49** (2006.01); **A61F 13/53** (2006.01); **A61F 13/534** (2006.01)

CPC (source: EP KR)

**A61F 13/15203** (2013.01 - EP KR); **A61F 13/5146** (2013.01 - EP KR); **A61F 13/535** (2013.01 - EP KR); **A61F 2013/15544** (2013.01 - KR)

Citation (search report)

See references of WO 9915122A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0903134 A1 19990324**; AU 744247 B2 20020221; AU 9315598 A 19990412; BR 9812820 A 20000808; CA 2304078 A1 19990401; CN 1278715 A 20010103; EP 1014908 A1 20000705; JP 2001517487 A 20011009; KR 20010030633 A 20010416; WO 9915122 A1 19990401; ZA 988583 B 19990322

DOCDB simple family (application)

**EP 97116440 A 19970920**; AU 9315598 A 19980911; BR 9812820 A 19980911; CA 2304078 A 19980911; CN 98811072 A 19980911; EP 98946059 A 19980911; JP 2000512499 A 19980911; KR 20007002962 A 20000320; US 9819055 W 19980911; ZA 988583 A 19980918