

Title (en)

NONWOVEN WIPING MATERIAL WITH IMPROVED QUATERNARY SALT RELEASE PROPERTIES

Title (de)

WISCHVLIES MIT VERBESSERTER QUATSALZFREIGABE

Title (fr)

MATERIAU D'ESSUYAGE NONTISSE PRESENTANT DES PROPRIETES DE LIBERATION DE SELS QUATERNAIRES AMELIOREES

Publication

EP 1540079 A4 20080528 (EN)

Application

EP 03761238 A 20030620

Priority

- US 0319685 W 20030620
- US 39059902 P 20020621

Abstract (en)

[origin: WO2004001128A1] Fibrous webs that retain less of cationic lotion components are obtained by treating the fibers of the web with a solution of a chemical blocking material prior to soaking the web with a chemical lotion containing the cationic lotion component. The chemical blocking material can comprise at least one of a polyamide-epichlorohydrin resin; a polyamide resin; a melamine resin; or a high molecular weight cationic chemical compound. The resultant web material is suited for use in the manufacture of wet wipes and especially disinfectant wet wipes.

IPC 1-7

D21H 17/05; **D21H 17/44**; **D21H 17/00**

IPC 8 full level

A61K 8/02 (2006.01); **A61Q 19/00** (2006.01); **D04H 1/00** (2006.01); **D04H 1/46** (2012.01); **D06M 13/463** (2006.01); **D06M 15/423** (2006.01); **D06M 15/55** (2006.01); **D06M 15/59** (2006.01); **D06M 16/00** (2006.01); **D21H 17/54** (2006.01); **D21H 17/55** (2006.01); **D21H 13/14** (2006.01); **D21H 13/24** (2006.01)

CPC (source: EP US)

A61K 8/0208 (2013.01 - EP US); **A61Q 17/005** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **D04H 1/425** (2013.01 - EP US); **D04H 1/43828** (2020.05 - EP US); **D04H 1/43835** (2020.05 - EP US); **D04H 1/49** (2013.01 - EP US); **D06M 13/463** (2013.01 - EP US); **D06M 15/423** (2013.01 - EP US); **D06M 15/55** (2013.01 - EP US); **D06M 15/59** (2013.01 - EP US); **D06M 16/00** (2013.01 - EP US); **D21H 17/54** (2013.01 - EP US); **D21H 17/55** (2013.01 - EP US); **D21H 13/14** (2013.01 - EP US); **D21H 13/24** (2013.01 - EP US); **Y10T 442/20** (2015.04 - EP US); **Y10T 442/2311** (2015.04 - EP US); **Y10T 442/2525** (2015.04 - EP US); **Y10T 442/60** (2015.04 - EP US)

Citation (search report)

- [XY] EP 1059032 A1 20001213 - PROCTER & GAMBLE [US]
- [X] US 6162327 A 20001219 - BATRA ANJANA [US], et al
- [Y] EP 0099209 A1 19840125 - SURGIKOS INC [US]
- [Y] DE 1492324 A1 19691211 - DUSTIKIN PRODUCTS INC
- [A] US 5292581 A 19940308 - VIAZMENSKY HELEN [US], et al
- [A] US 2001008180 A1 20010719 - ANDERSON RALPH L [US], et al
- [A] US 5667635 A 19970916 - WIN MAUG HLA [US], et al
- [A] DE 1569015 A1 19700122 - HERCULES INC
- See references of WO 2004001128A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004001128 A1 20031231; AU 2003256283 A1 20040106; EP 1540079 A1 20050615; EP 1540079 A4 20080528; US 2005245151 A1 20051103

DOCDB simple family (application)

US 0319685 W 20030620; AU 2003256283 A 20030620; EP 03761238 A 20030620; US 51818005 A 20050627