

Title (en)

SOIL-REPELLENT AGENT AND METHOD FOR TREATING ARTICLES BASED ON WOVEN COTTON

Title (de)

SCHMUTZABWEISENDES MITTEL UND VERFAHREN ZUR BEHANDLUNG VON GEWEBTEN BAUMWOLLARTIKELN

Title (fr)

AGENT ANTISALISSURE ET PROCEDE DE TRAITEMENT DES ARTICLES A BASE DE COTON TISSE

Publication

**EP 0882117 B1 20021113 (FR)**

Application

**EP 97906221 A 19970219**

Priority

- FR 9700304 W 19970219
- FR 9602181 A 19960220

Abstract (en)

[origin: WO9731085A1] A soil-repellent treatment method for articles based on woven cotton, wherein an amphiphilic soil-repellent agent soluble or dispersible in the treatment medium is deposited on the article during one or more washing, rinsing and/or softening or drying steps, is disclosed. Said soil-repellent agent comprises at least one unit with a function (FAd) capable of being adsorbed onto the surface of the cotton by electrostatic interaction; and at least one hydrophobic unit (MH) capable of configuring said agent at the cotton/water interface. Said unit (MH) may itself be one of the components of the unit having said function (FAd) or may be chemically bonded thereto via a hydrophilic chain. Said soil-repellent agent is added during the washing step by means of a washing composition, during the rinsing and/or softening step by means of a rinsing and/or softening composition, and during the drying step by means of an absorbent carrier. A soil-repellent agent comprising at least one unit with a cationic function (MC) capable of being adsorbed onto the surface of the cotton, and the counter-ion thereof, as well as at least one hydrophobic unit (MH) containing at least four carbon atoms chemically bonded to the unit having said cationic function (MC) via an oligomeric, polymeric or copolymeric vinyl alcohol chain, is also disclosed.

IPC 1-7

**C11D 1/62**; **C11D 1/60**; **C11D 3/22**; **C11D 3/37**

IPC 8 full level

**C11D 1/60** (2006.01); **C11D 1/62** (2006.01); **C11D 3/00** (2006.01); **C11D 3/22** (2006.01); **C11D 3/37** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/463** (2006.01)

CPC (source: EP US)

**C11D 1/60** (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 3/0036** (2013.01 - EP US); **C11D 3/227** (2013.01 - EP US); **C11D 3/3707** (2013.01 - EP US); **C11D 3/3715** (2013.01 - EP US); **C11D 3/3753** (2013.01 - EP US); **C11D 3/3776** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9731085 A1 19970828**; AT E227765 T1 20021115; AU 2098397 A 19970910; BR 9707650 A 19990727; CA 2246381 A1 19970828; DE 69717079 D1 20021219; DE 69717079 T2 20030724; EP 0882117 A1 19981209; EP 0882117 B1 20021113; ES 2187757 T3 20030616; FR 2745014 A1 19970822; FR 2745014 B1 19980403; JP 3253972 B2 20020204; JP H11505568 A 19990521; US 6379394 B1 20020430

DOCDB simple family (application)

**FR 9700304 W 19970219**; AT 97906221 T 19970219; AU 2098397 A 19970219; BR 9707650 A 19970219; CA 2246381 A 19970219; DE 69717079 T 19970219; EP 97906221 A 19970219; ES 97906221 T 19970219; FR 9602181 A 19960220; JP 52984897 A 19970219; US 63165700 A 20000803