

Title (en)

Using cationic celluloses to enhance delivery of fabric care benefit agents

Title (de)

Verwendung von kationischen Cellulosen zur Erhöhung der Freisetzung von Textilpflegemitteln

Title (fr)

Utilisation de celluloses cationiques favorisant l'administration d'agents de soin pour tissus

Publication

EP 2210933 A1 20100728 (EN)

Application

EP 08152893 A 20030909

Previously filed application

PCT/US03/28421 20030909 WO

Priority

- EP 03752219 A 20030909
- US 40909102 P 20020909
- US 37579203 A 20030226

Abstract (en)

A laundry product composition comprising a stable mixture of from 0.1% to 10%, by weight of the composition, of at least one water insoluble fabric care benefit agent; and from 0.01% to 5%, by weight of the composition, of at least one delivery enhancing agent that is a cationic cellulose, wherein the water-insoluble fabric care benefit agent is a water-insoluble silicone derivative or a mixture thereof, wherein the composition comprises from 5% to 50% by weight of a surfactant, and wherein the composition comprises a surfactant selected from sodium and potassium alkylbenzene sulphonates in which the alkyl group contains from 9 to 15 carbon atoms in straight chain or branched chain configuration.

IPC 8 full level

C11D 3/22 (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 7/22** (2006.01); **C11D 7/32** (2006.01); **C11D 17/08** (2006.01); **D06M 15/05** (2006.01); **D06M 15/227** (2006.01); **D06M 15/643** (2006.01)

CPC (source: EP)

C11D 3/227 (2013.01); **C11D 3/373** (2013.01); **C11D 3/3742** (2013.01); **C11D 3/3749** (2013.01); **C11D 3/3757** (2013.01); **C11D 3/3788** (2013.01); **C11D 7/329** (2013.01)

Citation (search report)

- [A] US 4237016 A 19801202 - RUDKIN ARTHUR L, et al
- [A] WO 9403152 A2 19940217 - UNILEVER PLC [GB], et al
- [A] US 3580853 A 19710525 - PARRAN JOHN J JR
- [A] WO 0059463 A1 20001012 - UNILEVER PLC [GB], et al

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 2004022686 A1 20040318; AT E389708 T1 20080415; AT E393812 T1 20080515; AU 2003270497 A1 20040329; AU 2003270521 A1 20040329; BR 0314074 A 20050705; BR 0314147 A 20050712; CA 2495117 A1 20040318; CA 2495323 A1 20040318; CN 1678723 A 20051005; CN 1678724 A 20051005; DE 60319845 D1 20080430; DE 60319845 T2 20090305; DE 60320655 D1 20080612; DE 60320655 T2 20090604; EP 1537196 A1 20050608; EP 1537196 B1 20080430; EP 1537197 A1 20050608; EP 1537197 B1 20080319; EP 2210933 A1 20100728; ES 2302939 T3 20080801; ES 2305492 T3 20081101; JP 2005536618 A 20051202; JP 2005537408 A 20051208; JP 4145874 B2 20080903; JP 4283224 B2 20090624; MX PA05002610 A 20050505; MX PA05002611 A 20050505; WO 2004022685 A1 20040318

DOCDB simple family (application)

US 0328421 W 20030909; AT 03752194 T 20030909; AT 03752219 T 20030909; AU 2003270497 A 20030909; AU 2003270521 A 20030909; BR 0314074 A 20030909; BR 0314147 A 20030909; CA 2495117 A 20030909; CA 2495323 A 20030909; CN 03821072 A 20030909; CN 03821073 A 20030909; DE 60319845 T 20030909; DE 60320655 T 20030909; EP 03752194 A 20030909; EP 03752219 A 20030909; EP 08152893 A 20030909; ES 03752194 T 20030909; ES 03752219 T 20030909; JP 2004534807 A 20030909; JP 2004534811 A 20030909; MX PA05002610 A 20030909; MX PA05002611 A 20030909; US 0328346 W 20030909