

Title (en)

CATIONIC, OXIDIZED POLYSACCHARIDES IN CONDITIONING APPLICATIONS

Title (de)

KATIONISCHE OXIDIERTE POLYSACCHARIDE ALS KONDITIONIERUNGSMITTEL

Title (fr)

POLYSACCHARIDES CATIONIQUES OXYDES POUR DES APPLICATIONS DE CONDITIONNEMENT

Publication

EP 1611157 A2 20060104 (EN)

Application

EP 04750005 A 20040407

Priority

- US 2004011166 W 20040407
- US 46186603 P 20030409

Abstract (en)

[origin: WO2004091557A2] A cationic, oxidized polysaccharide or derivative thereof that has a mean average molecular weight (Mw) having a lower limit of 50,000 and an upper limit of 1,000,000 and an aldehyde functionality content of at least 0.001 meq/gram is used in personal care and household care compositions. This cationic, oxidized polysaccharide is prepared in continuous or batch processes using hydrolytic reagents, oxidizing reagents, or combination of hydrolytic reagents and oxidizing reagents. Personal care or household care compositions are prepared by adding the cationic, oxidized polysaccharide to a personal care or household composition containing at least one active ingredient other than the cationic, oxidized polysaccharide of this invention.

IPC 1-7

C08B 11/20; **C08B 37/00**; **C11D 3/22**

IPC 8 full level

A61K 8/73 (2006.01); **A61Q 5/02** (2006.01); **A61Q 5/12** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/10** (2006.01)

CPC (source: EP KR)

A61K 8/73 (2013.01 - EP); **A61K 8/731** (2013.01 - EP); **A61K 8/737** (2013.01 - EP); **A61Q 5/02** (2013.01 - EP); **A61Q 5/12** (2013.01 - EP); **A61Q 19/00** (2013.01 - EP); **C08B 11/20** (2013.01 - KR); **C08B 37/00** (2013.01 - KR); **C11D 3/227** (2013.01 - EP); **A61K 2800/5426** (2013.01 - EP); **A61Q 19/10** (2013.01 - EP)

Citation (search report)

See references of WO 2004091557A2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004091557 A2 20041028; **WO 2004091557 A3 20050127**; BR PI0409243 A 20060328; BR PI0409243 B1 20150707; CA 2519373 A1 20041028; CN 1780857 A 20060531; EP 1611157 A2 20060104; JP 2006522829 A 20061005; JP 4933251 B2 20120516; KR 101118460 B1 20120413; KR 20050120790 A 20051223; MX PA05010749 A 20051215; RU 2005134392 A 20060610

DOCDB simple family (application)

US 2004011166 W 20040407; BR PI0409243 A 20040407; CA 2519373 A 20040407; CN 200480009535 A 20040407; EP 04750005 A 20040407; JP 2006509912 A 20040407; KR 20057019135 A 20040407; MX PA05010749 A 20040407; RU 2005134392 A 20040407