

Title (en)

LIQUID DETERGENT CONTAINING SECONDARY ALKANE SULFONATE AND CATIONIC SURFACTANTS

Title (de)

FLÜSSIGWASCHMITTEL ENTHALTEND SEKUNDÄRES ALKANSULFONAT UND KATIONISCHE TENSIDE

Title (fr)

PRODUITS DE LAVAGE LIQUIDES CONTENANT DU SULFONATE D'ALCANE SECONDAIRE ET DES TENSIOACTIFS CATIONIQUES

Publication

**EP 1812544 B1 20100127 (DE)**

Application

**EP 05808189 A 20051105**

Priority

- EP 2005011854 W 20051105
- DE 102004053969 A 20041109

Abstract (en)

[origin: DE102004053969A1] Liquid laundry and other detergents contain (a) secondary alkanesulfonate, (b) soap, (c) nonionic surfactant and (d) cationic surfactant.

IPC 8 full level

**C11D 10/04** (2006.01); **C11D 1/86** (2006.01); **C11D 1/14** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)

**C11D 10/04** (2013.01 - EP US); **C11D 1/143** (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

**DE 102004053969 A1 20050915**; DE 502005008961 D1 20100318; EP 1812544 A1 20070801; EP 1812544 B1 20100127; ES 2337480 T3 20100426; JP 2008519117 A 20080605; US 2008105847 A1 20080508; WO 2006050876 A1 20060518

DOCDB simple family (application)

**DE 102004053969 A 20041109**; DE 502005008961 T 20051105; EP 05808189 A 20051105; EP 2005011854 W 20051105; ES 05808189 T 20051105; JP 2007539543 A 20051105; US 66743405 A 20051105