

Title (en)

Bleaching compositions based on mixtures of cationic and nonionic surfactants

Title (de)

Bleichmittelzusammensetzung auf der Basis von kationischer und nichtionischer Tensidmischungen

Title (fr)

Compositions de blanchiment à base de mélanges d'agents tensio-actifs cationiques et non-ioniques

Publication

**EP 0687727 B1 20010117 (EN)**

Application

**EP 94870098 A 19940617**

Priority

EP 94870098 A 19940617

Abstract (en)

[origin: EP0687727A1] Bleaching compositions are disclosed which comprise a lower amount of oxygen bleach, and wherein the bleach performance at higher temperature is maintained by means of a specific surfactant system comprising a cationic surfactant and a hydrophilic nonionic surfactant.

IPC 1-7

**C11D 3/39; C11D 1/835**

IPC 8 full level

**C01B 15/037** (2006.01); **C11D 1/835** (2006.01); **C11D 1/86** (2006.01); **C11D 3/39** (2006.01); **C11D 1/14** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

**C11D 1/835** (2013.01); **C11D 1/86** (2013.01); **C11D 3/3947** (2013.01); **C11D 1/146** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Cited by

US2012090100A1; EP0934380A4; EP2700705A4; GB2325471A; US2015282480A1; US10206392B2; US11140898B2; US7078373B2; US9382503B2; WO2012120304A1; WO2010109166A1; WO2004041982A1; WO9936502A1; EP0752469A1

Designated contracting state (EPC)

DE ES FR GB GR IE IT NL

DOCDB simple family (publication)

**EP 0687727 A1 19951220; EP 0687727 B1 20010117**; AU 2593495 A 19960115; AU 703720 B2 19990401; CA 2191572 A1 19951228; DE 69426597 D1 20010222; DE 69426597 T2 20010809; ES 2152974 T3 20010216; GR 3035270 T3 20010430; JP H10503162 A 19980324; MX 9606568 A 19970329; WO 9535256 A1 19951228

DOCDB simple family (application)

**EP 94870098 A 19940617**; AU 2593495 A 19950518; CA 2191572 A 19950518; DE 69426597 T 19940617; ES 94870098 T 19940617; GR 20000402862 T 20010118; JP 50216696 A 19950518; MX 9606568 A 19950518; US 9506224 W 19950518