

Title (en)
HYPOCHLORITE BLEACH COMPOSITION

Title (de)
HYPOCHLORITBLEICHMITTEL

Title (fr)
COMPOSITION DE BLANCHIMENT A BASE D'HYPOCHLORITE

Publication
EP 1685228 B1 20081112 (EN)

Application
EP 04791015 A 20041029

Priority
• EP 2004012254 W 20041029
• IN 1195MU2003 A 20031119

Abstract (en)
[origin: WO2005049779A1] The invention provides a thickened bleach composition comprising water, a hypochlorite bleaching agent, a surfactant and an electrolyte selected from the group consisting of alkali metal hydroxides, chlorides, sulphates, carbonates and mixtures thereof; wherein the composition comprises at least two different kinds of alkali metal ion. The compositions of the invention have a sufficient viscosity for application to a wide range of surfaces, including vertical or inclined surfaces, and are effectively thickened using materials that are inexpensive and easily available.

IPC 8 full level
C11D 3/395 (2006.01); **C11D 3/02** (2006.01); **C11D 3/10** (2006.01)

CPC (source: EP)
C11D 3/044 (2013.01); **C11D 3/046** (2013.01); **C11D 3/10** (2013.01); **C11D 3/3956** (2013.01)

Cited by
US9487742B2; WO2016200343A1; US10208273B2

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 2005049779 A1 20050602; AR 046636 A1 20051214; AT E414133 T1 20081115; AU 2004291627 A1 20050602; AU 2004291627 B2 20070222; BR PI0416020 A 20070102; CA 2544330 A1 20050602; DE 602004017774 D1 20081224; EP 1685228 A1 20060802; EP 1685228 B1 20081112; EP 1685228 B8 20090304; ES 2317063 T3 20090416; JP 2007511648 A 20070510; MX PA06005633 A 20060817; MY 142747 A 20101231; PL 1685228 T3 20100331; RU 2006121450 A 20080110; RU 2360955 C2 20090710; ZA 200602877 B 20070627

DOCDB simple family (application)
EP 2004012254 W 20041029; AR P040104256 A 20041118; AT 04791015 T 20041029; AU 2004291627 A 20041029; BR PI0416020 A 20041029; CA 2544330 A 20041029; DE 602004017774 T 20041029; EP 04791015 A 20041029; ES 04791015 T 20041029; JP 2006540220 A 20041029; MX PA06005633 A 20041029; MY PI20044777 A 20041118; PL 04791015 T 20041029; RU 2006121450 A 20041029; ZA 200602877 A 20041029