

Title (en)

SOLID-LAYERED BLEACH COMPOSITIONS

Title (de)

BLEICHZUSAMMENSETZUNGEN AUS FESTEN SCHICHTEN

Title (fr)

COMPOSITIONS DE BLANCHIMENT SOLIDES EN COUCHES

Publication

EP 2373776 A4 20130522 (EN)

Application

EP 09836606 A 20091119

Priority

- US 2009065090 W 20091119
- US 12102908 P 20081209
- US 62093209 A 20091118

Abstract (en)

[origin: WO2010077468A1] The present invention provides a solid-layered bleach composition having at least two parts. The first part comprises a) calcium hypochlorite, magnesium hypochlorite and mixtures thereof, b) a builder, c) a water-soluble polymer, d) an acid, and e) wherein the first part does not contain sodium hypochlorite, lithium hypochlorite, potassium hypochlorite and mixtures thereof. The second part comprises a) a surfactant, b) a builder, c) an acid, and d) wherein the second part does not contain any oxidant.

IPC 8 full level

C11D 3/395 (2006.01); **C11D 3/10** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/34** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 3/10 (2013.01); **C11D 3/2079** (2013.01); **C11D 3/2082** (2013.01); **C11D 3/33** (2013.01); **C11D 3/349** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/3776** (2013.01); **C11D 3/378** (2013.01); **C11D 3/3953** (2013.01); **C11D 17/0039** (2013.01); **C11D 17/0078** (2013.01)

Citation (search report)

- [Y] US 2008083071 A1 20080410 - TREMBLAY MARIO ELMEN [US], et al
- [YA] US 2005173353 A1 20050811 - CONNELLY THOMAS V JR [US]
- See references of WO 2010077468A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010077468 A1 20100708; AR 074503 A1 20110119; AU 2009333758 A1 20110623; CA 2746173 A1 20100708; CA 2746173 C 20161101; CL 2011001352 A1 20111028; CN 102292425 A 20111221; CN 102292425 B 20130313; EP 2373776 A1 20111012; EP 2373776 A4 20130522; MX 2011006079 A 20110627

DOCDB simple family (application)

US 2009065090 W 20091119; AR P090104735 A 20091207; AU 2009333758 A 20091119; CA 2746173 A 20091119; CL 2011001352 A 20110606; CN 200980154934 A 20091119; EP 09836606 A 20091119; MX 2011006079 A 20091119