

Title (en)

BLEACH REINFORCER COMBINATION FOR USE IN WASHING AND CLEANING AGENTS

Title (de)

BLEICHVERSTÄRKERKOMBINATION FÜR DEN EINSATZ IN WASCH- UND REINIGUNGSMITTELN

Title (fr)

COMBINAISON DE RENFORCEMENT D'AGENTS DE BLANCHIMENT A UTILISER DANS DES PRODUITS DE LAVAGE ET DE NETTOYAGE

Publication

EP 1749084 A1 20070207 (DE)

Application

EP 05743291 A 20050507

Priority

- EP 2005004973 W 20050507
- DE 102004024816 A 20040517

Abstract (en)

[origin: US2008261852A1] The performance of peroxide compounds, in particular when associated with bleaches for washing ink stains out of textiles, can be improved by a composition comprising: (i) a peroxygen-containing bleaching agent, (ii) a bleach activator selected from the group consisting of amide bleach activators, sulfonyl phenyl ester bleach activators, quaternary nitrogen substituted acetonitrile bleach activators, and mixtures thereof, and (iii) a compound selected from the group consisting of ligands corresponding to the general formula (I), bleach catalysts corresponding to the general formula (II), and mixtures thereof: wherein Y^{m-} represents an anion, M represent a manganese or iron atom, each X independently represents an inorganic ligand and the mathematical product of m and n equals 2.

IPC 8 full level

C11D 3/395 (2006.01); **C11D 3/16** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP US)

C11D 3/168 (2013.01 - EP US); **C11D 3/392** (2013.01 - EP US); **C11D 3/3927** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005116181 A1 20051208; AT E423837 T1 20090315; DE 102004024816 A1 20051215; DE 502005006698 D1 20090409; EP 1749084 A1 20070207; EP 1749084 B1 20090225; ES 2319444 T3 20090507; JP 2007538121 A 20071227; PL 1749084 T3 20090731; US 2008261852 A1 20081023

DOCDB simple family (application)

EP 2005004973 W 20050507; AT 05743291 T 20050507; DE 102004024816 A 20040517; DE 502005006698 T 20050507; EP 05743291 A 20050507; ES 05743291 T 20050507; JP 2007517024 A 20050507; PL 05743291 T 20050507; US 59695705 A 20050507