

Title (en)

Bleaching composition comprising polyoxometalates bleach catalyst

Title (de)

Bleichmittelzusammensetzung enthaltend Polyoxometallate als Bleichmittelkatalysator

Title (fr)

Composition de blanchiment contenant des polyoxométalates comme catalyseurs de blanchiment

Publication

EP 0761809 B1 20041103 (DE)

Application

EP 96113058 A 19960814

Priority

DE 19530786 A 19950822

Abstract (en)

[origin: CA2183814A1] Bleach composition comprising polyoxometallates as bleaching catalyst Bleach composition comprising one or more bleaching agents and one or more polyoxometallates of the formula (Q)_q(A_aX_xM_mO_yZ_z(H₂O)_b as bleaching catalyst, the symbols Q, A, X, M, Z, q, a, x, m, y, z, b and c being as dehned in the description.

IPC 1-7

C11D 3/39

IPC 8 full level

A61K 8/00 (2006.01); **A61K 8/22** (2006.01); **A61K 8/33** (2006.01); **A61K 8/37** (2006.01); **A61K 8/38** (2006.01); **A61K 8/40** (2006.01); **A61K 8/41** (2006.01); **A61K 8/42** (2006.01); **A61K 8/46** (2006.01); **A61K 8/49** (2006.01); **A61K 8/58** (2006.01); **A61K 8/60** (2006.01); **A61Q 11/02** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP KR US)

C11D 3/3932 (2013.01 - EP US); **C11D 3/395** (2013.01 - KR)

Cited by

WO2013045294A1; US6326342B1; CN103857841A; CN105074077A; RU2617986C1; WO2013060706A1; EP3524347A1; WO2017186480A1; WO9928426A1; WO0039264A1; WO2014154432A1; DE102013205302A1; US9776171B2; DE102016008185A1; US10214606B2; WO2012000846A1; WO2014154508A1; US9790452B2; EP3415593A1; DE102017209336A1; WO2013060708A1; DE102015224832A1; WO2017097484A1; EP3409756A1; EP3409753A1; DE102017209335A1; DE102017209333A1; DE102011083572A1; US9451866B2; EP3409757A1; DE102017209332A1

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

DE 19530786 A1 19970227; BR 9603491 A 19980512; CA 2183814 A1 19970223; CA 2183814 C 20081223; DE 59611133 D1 20041209; EP 0761809 A2 19970312; EP 0761809 A3 19980902; EP 0761809 B1 20041103; ES 2231796 T3 20050516; JP 4107690 B2 20080625; JP H09118899 A 19970506; KR 970010940 A 19970327; US 5928382 A 19990727

DOCDB simple family (application)

DE 19530786 A 19950822; BR 9603491 A 19960821; CA 2183814 A 19960821; DE 59611133 T 19960814; EP 96113058 A 19960814; ES 96113058 T 19960814; JP 22015196 A 19960821; KR 19960034792 A 19960822; US 70147596 A 19960822