

Title (en)

GENTLE BLEACHING AGENT

Title (de)

SCHONENDES BLEICHMITTEL

Title (fr)

AGENT DE BLANCHIMENT NON AGRESSIF

Publication

EP 2411498 B1 20140305 (DE)

Application

EP 10709715 A 20100311

Priority

- EP 2010053080 W 20100311
- DE 102009001788 A 20090324

Abstract (en)

[origin: WO2010108783A1] The aim of the invention is reduce the damage to material containing cellulose during the bleaching thereof, by using bleaching catalysts, without significantly affecting the bleaching performance. This is achieved essentially by a method for the bleach treatment of material containing cellulose in the presence of a bleaching agent containing peroxygen and a bleach-enhancing transition metal complex, said method being carried out in the presence of creatine.

IPC 8 full level

C11D 3/33 (2006.01); **C11D 3/39** (2006.01); **D21C 9/10** (2006.01); **D21C 9/16** (2006.01)

CPC (source: EP US)

C11D 3/33 (2013.01 - EP US); **C11D 3/3932** (2013.01 - EP US); **D21C 9/1036** (2013.01 - EP US); **D21C 9/16** (2013.01 - EP US)

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 2010108783 A1 20100930; DE 102009001788 A1 20100930; EP 2411498 A1 20120201; EP 2411498 B1 20140305;
ES 2453117 T3 20140404; US 2012005839 A1 20120112

DOCDB simple family (application)

EP 2010053080 W 20100311; DE 102009001788 A 20090324; EP 10709715 A 20100311; ES 10709715 T 20100311;
US 201113239650 A 20110922