

Title (en)

Catalytic active agent for improved bleaching

Title (de)

Katalytisch aktive Wirkstoffkombination zur Verstärkung der Bleichwirkung

Title (fr)

Composé catalytique actif pour améliorer l'efficacité de blanchiment

Publication

EP 0832969 B1 20041117 (DE)

Application

EP 97116145 A 19970917

Priority

- DE 19639599 A 19960926
- DE 19709284 A 19970307

Abstract (en)

[origin: EP0832969A2] Bleach activator combination obtained by intimately mixing(a) a water-soluble salt of a divalent transition metal selected from Co, Fe, Cu and Ru or mixtures of these, (b) a water-soluble ammonium salt and optionally (c) a peroxygen type oxidising agent, together with an inert carrier material.

IPC 1-7

C11D 3/39; **C11D 3/04**

IPC 8 full level

C11D 3/04 (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP)

C11D 3/3932 (2013.01)

Cited by

EP3524347A1; WO2013060708A1; WO2013060706A1; US7243664B2; WO2017186480A1; WO0142417A1; WO0075270A1; US10214606B2; WO2012000846A1; WO2014154508A1; US9790452B2; KR100630289B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0832969 A2 19980401; **EP 0832969 A3 19980902**; **EP 0832969 B1 20041117**; DE 59712085 D1 20041223; ES 2233987 T3 20050616

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