

Title (en)
Bleach activation

Title (de)
Bleichaktivierung

Title (fr)
Activation de blanchiment

Publication
EP 0909809 B1 20041124 (EN)

Application
EP 98307975 A 19980930

Priority
• EP 98307975 A 19980930
• EP 97203019 A 19971001

Abstract (en)
[origin: EP0909809A2] A bleach and oxidation catalyst is provided comprising a catalytically active iron complex including a defined pentadentate nitrogen containing ligand. This type of iron complex can activate hydrogen peroxide or peroxy acids and was found to have favourable stain removal and remarkable dye transfer inhibition properties. In addition, a considerably improved stability of these iron complex compounds in alkaline aqueous environment has been obtained, in particular at the peroxy compound concentrations generally present in the fabric washing liquor.

IPC 1-7
C11D 3/395; **B01J 31/18**; **D06L 3/02**

IPC 8 full level
B01J 23/745 (2006.01); **B01J 31/18** (2006.01); **B01J 31/22** (2006.01); **C11D 3/26** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 7/54** (2006.01); **D06L 3/02** (2006.01)

IPC 8 main group level
C11D (2006.01)

CPC (source: EP)
C11D 3/3932 (2013.01)

Cited by
JP2008545723A; EP2103735A1; WO2010069524A1; WO2016198891A1; US6140294A; EP1445305A1; US6245115B1; US6242409B1; US6475977B1; WO0059461A1; WO0164994A1; WO0116269A1; WO0224852A1; WO0164824A1; WO0164828A1; WO0116268A1; EP1700907A1; WO2014202954A1; WO2011083309A1; US9150705B2; WO2011157673A1; US9034785B2; US7923428B2; WO2013060708A1; US10689540B2; WO03097780A1; WO0027976A1; US6677288B2; US8680038B2; US6518231B2; US6653271B2; US8927478B2; WO2017186480A1; US6492312B1; WO2013060706A1; WO2023117421A1; US8293910B2; US8658586B2; WO2020008203A1; US7335629B2; US6340661B1; US8791058B2; US10214606B2; US6302921B1; WO2012079624A1; WO2016198890A1; EP3524347A1; US10815616B2; US6451752B1; US6610641B2; US6617299B1; EP2474578A1; WO2012093250A1; WO2015011430A1; US10882745B2; WO2008154617A2; WO0164825A1; WO0116271A1; WO2006128635A3; US6720299B2; DE102008064009A1; US7977487B2; WO2013045475A1; US8536334B2; US10370621B2; WO2021260037A1; US6551977B2; US6586383B2; WO2012000846A1; WO2014154508A1; US9096817B2; US9790452B2; WO2023030700A1; US6432900B1; US8318836B2; US8492461B2; US8497314B2; US8642685B2; US8664306B2; US9593232B2; EP3967742A1; WO2023052294A1

Designated contracting state (EPC)
DE ES FR GB IT

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EP 0909809 A2 19990421; **EP 0909809 A3 19990721**; **EP 0909809 B1 20041124**; AR 017280 A1 20010905; BR 9803859 A 19991207; CA 2248476 A1 19990401; DE 69827738 D1 20041230; DE 69827738 T2 20050407; ES 2234080 T3 20050616; ZA 988963 B 20000403

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EP 98307975 A 19980930; AR P980104904 A 19981001; BR 9803859 A 19981001; CA 2248476 A 19980928; DE 69827738 T 19980930; ES 98307975 T 19980930; ZA 988963 A 19981001