

Title (en)

Bleaching system containing Bis-and-Tris-(mu-oxo)-di-manganese complex salts

Title (de)

Bleichmittelsysteme enthaltend Bis- und Tris-(mu-oxo)-di-Mangan-Komplexsalze

Title (fr)

Système de blanchiment contenant des sels de Bis-et-tris-(mu-oxo)-di-manganèse complexé

Publication

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Application

EP 96120743 A 19961223

Priority

DE 19600159 A 19960104

Abstract (en)

Bleach systems contain bis- and tris-(mu -oxo)-di-manganese complex salts of formula (I) $\text{ÄLMn}(\mu\text{-O})_a(\mu\text{-OAc})_b\text{MnL}\ddot{\text{U}}(x+)\text{Ay}$; in which Ac = 2-8C acyl; a = 1-3; b = 0 if a = 2 or 3 or b = 2 if a = 1; x = 2 or 3; A = a mono- or di-valent anion; y = the equivalent amount of anion A to balance the positive charges; L = a ligand of formula R-N(Q)2 (II) or (Q)2N-(C(R<1>)2)g-N(Q)2 (III); Q = a group of formula (i); R = 1-12C alkyl, 5-10C cycloalkyl, phenyl, NH2, NHR<2>, N(R<2>)2, OH, OR<2> or COOH; R<1> = H, 1-12C alkyl, 5-10C cycloalkyl, NH2, NHR<2>, N(R<2>)2, OH, OR<2>, COOH, COOR<2>, Cl, Br, F or CN; R<2> = 1-12C alkyl or 5-10C cycloalkyl; g = 2 or 3; m, n = 0-4. Also claimed are washing agents and cleaning agents containing this bleach system.

Abstract (de)

Bis- und Tris-(μ-oxo)-di-Mangan-Komplexsalze der Formel $[\text{LMn}(\mu\text{-O})_a(\mu\text{-OAc})_b\text{MnL}]_{<x>}\text{Ay}$ als Katalysator zur Oxidation organischer Verbindungen in Bleichmittelsystemen für Textilmaterial, wobei in obiger Formel Ac: eine C2-C8-Acylgruppe ist, a: ist 1, 2 oder 3, b: ist 0, wenn a 2 oder 3 ist oder b ist 2, wenn a 1 ist, x: bezeichnet die Anzahl der positiven Ladungen und ist 2 oder 3, A: ist ein Anion, y: bedeutet die für den Ausgleich der positiven Ladungen erforderliche äquivalente Menge an Anion A und; L: bedeutet einen Ligand, vorzugsweise [N,N-bis(2-pyridyl(methyl-))N-methylamin oder [N,N,N',N'-tetrakis-(2-pyridylmethyl-)-1,2-ethylendiamin.

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C11D 3/39

IPC 8 full level

D06L 3/02 (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

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