

Title (en)

Bleach activating cyanopyridinium compounds

Title (de)

Cyanopyridinium-Verbindungen als Bleichaktivatoren

Title (fr)

Composés de cyanopyridinium comme activateurs de blanchiment

Publication

EP 0806473 A3 19981223 (DE)

Application

EP 97107051 A 19970429

Priority

DE 19618408 A 19960508

Abstract (en)

[origin: EP0806473A2] Use of 2- or 4-cyano-pyridinium salts of formula (I) as bleach activators is new. R1 = H, 1-24C alkyl, 2-24C alkenyl, aryl, cyanomethyl or 1-4C-alkoxy-(1-4C)-alkyl; R2-R4 = H, 1-24C alkyl, 2-24C alkenyl, aryl, 1-4C-alkoxy-(1-4C)-alkyl or CN; X = anion; and Y, Z = as for R2-R4; provided that one of Y and Z is CN. Also claimed are washing or cleaning agents containing (a) 2-40 wt.% peroxy compound and (b) 0.1-20 wt.% (I) in a molar ratio of 1500-1:1-2.

IPC 1-7

C11D 3/39; **C11D 3/28**

IPC 8 full level

C07D 213/84 (2006.01); **C07D 213/85** (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)

C11D 3/392 (2013.01)

Citation (search report)

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- [XA] US 4756845 A 19880712 - SUGAWARA HIROSHI [JP], et al
- [T] WO 9742295 A1 19971113 - JOHNSON & SON INC S C [US]
- [T] EP 0790244 A1 19970820 - HOECHST AG [DE]
- [A] DATABASE WPI Section Ch Week 8842, Derwent World Patents Index; Class E13, AN 88-297947, XP002082707

Cited by

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Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

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