

Title (en)

INHIBITION OF PULP AND PAPER YELLOWING USING HYDROXYLAMINES AND OTHER COADDITIVES

Title (de)

VERHINDERUNG DER VERGILBUNG VON HOLZSTOFF UND PAPIER UNTER ANWENDUNG VON HYDROXYLAMINE UND ANDEREN CO-ADDITIVEN

Title (fr)

ENRAIEMENT DU JAUNISSEMENT DE PULPE DE PAPIER ET DE PAPIER A L'AIDE D'HYDROXYLAMINES ET D'AUTRES CO-ADDITIFS

Publication

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Application

EP 99953767 A 19991011

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- US 11668899 P 19990120

Abstract (en)

[origin: WO0024963A1] Pulps or papers, especially chemimechanical or thermomechanical pulps or papers, which still contain lignin, have enhanced resistance to yellowing when they contain an effective stabilizing amount of a N,N-dialkylhydroxylamine, an ester, amide or thio substituted N,N-dialkylhydroxylamine or N,N-dibenzylhydroxylamine or an ammonium salt thereof. This performance is often further enhanced by the presence of one or more coadditives selected from the group consisting of the UV absorbers, the polymeric inhibitors, the nitrones, the fluorescent whitening agents and metal chelating agents. Combinations of hydroxylamines or their salts, benzotriazole or benzophenone UV absorbers and a metal chelating agent are particularly effective. N,N-Diethylhydroxylamine and N,N-dibenzylhydroxylamine and their acid salts are surprisingly effective for this purpose.

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IPC 8 full level

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