

Title (en)
Process for bleaching ground wood pulp.

Title (de)
Verfahren zum Bleichen von Holzschliff.

Title (fr)
Procédé pour blanchir une pulpe de bois broyé.

Publication
EP 0141355 A1 19850515 (DE)

Application
EP 84112648 A 19841019

Priority
DE 3338260 A 19831021

Abstract (en)
1. Process for the bleaching of mechanical wood pulp in peroxide solutions, characterized in that one carries out the bleaching procedure without silicates in the presence of 1. phosphonic acids or their salts, 2. gluconic acid, citric acid, N,N-dihydroxyethyleneglycine, DTPA, EDTA, NTA or their mixtures or salts and 3. phosphoric acid or its salts.

Abstract (de)
Die vorliegende Erfindung betrifft ein Verfahren zum Bleichen von Holzschliff in Peroxid und/oder sulfithaltigen Lösungen, bei dem man den Bleichvorgang in Gegenwart von Phosphonsäuren, Polyhydroxycarbonsäuren und Phosphaten durchführt.

IPC 1-7
D21C 9/10

IPC 8 full level
C11D 3/39 (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP)
C11D 3/394 (2013.01); **D21C 9/1042** (2013.01)

Citation (search report)

- [X] DE 2500209 A1 19760708 - BENCKISER KNAPSACK GMBH
- [A] DE 2226784 A1 19721214
- [A] US 4294575 A 19811013 - KOWALSKI XAVIER
- [A] GB 2072643 A 19811007 - INTEROX CHEMICALS LTD
- [A] DE 2209358 A1 19730913 - HENKEL & CIE GMBH
- [A] DE 1052797 B 19590312 - SCOTT PAPER CO
- [A] DE 1052798 B 19590312 - SCOTT PAPER CO
- [A] AMERICAN DYESTUFF REPORTER, Band 68, Nr. 9, September 1979, Seiten 49-54, New York, USA; X. KOWALSKI: "Sequestering agents in silicate-free peroxide bleaching"
- [A] ABSTRACTS BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, Band 52, Nr. 7, Januar 1982, Seiten 788-789, Nr. 7374, Appleton, Wisconsin, USA; B.H. MAY: "DTPMPA - A new sequestrant for silicate-free bleaching of paper pulp with hydrogen peroxide" & EUCEPA INTERN. MECH. PULPING CONF., 16.-19. Juni 1981

Cited by
US4752354A; EP0845526A3; EP0845525A3; AU678631B2; US5641386A; CN1054169C; EP0369711A3; GB2226341A; GB2226341B; US11207863B2; US11666199B2; US8802613B2; WO9730207A1; WO2009056893A3; WO9706303A1; US8906199B2; WO2009056893A2; WO9730210A1; WO9512029A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0141355 A1 19850515; EP 0141355 B1 19880601; AT E34790 T1 19880615; DE 3338260 C1 19850725; DE 3471705 D1 19880707

DOCDB simple family (application)
EP 84112648 A 19841019; AT 84112648 T 19841019; DE 3338260 A 19831021; DE 3471705 T 19841019