

Title (en)

Process for bleaching paper pulp.

Title (de)

Verfahren zum Bleichen von Zellstoff.

Title (fr)

Procédé pour le blanchiment d'une pâte à papier.

Publication

EP 0634520 A1 19950118 (FR)

Application

EP 94202003 A 19940711

Priority

BE 9300745 A 19930715

Abstract (en)

Process for bleaching a paper pulp by means of sequences of stages of treatment free from chlorine-containing reactants or from chlorine, of TCF or ECF type, including a stage of additional treatment with at least one enzyme.

Abstract (fr)

Procédé pour le blanchiment d'une pâte à papier au moyen de séquences d'étapes de traitement exempte de réactifs chlorés ou de chlore de type TCF ou ECF comprenant une étape de traitement supplémentaire avec au moins une enzyme.

IPC 1-7

D21C 9/10; **D21C 9/147**; **D21C 9/153**; **C12S 3/08**

IPC 8 full level

D21C 5/00 (2006.01); **D21C 9/10** (2006.01); **D21C 9/147** (2006.01); **D21C 9/153** (2006.01)

CPC (source: EP)

D21C 5/005 (2013.01); **D21C 9/1057** (2013.01); **D21C 9/147** (2013.01); **D21C 9/153** (2013.01)

Citation (search report)

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- [Y] EP 0447673 A1 19910925 - CALL HANS PETER [DE]
- [Y] WO 9203540 A1 19920305 - NOVO NORDISK AS [DK]
- [Y] EP 0386888 A2 19900912 - CANADIAN IND [CA]

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DOCDB simple family (publication)

EP 0634520 A1 19950118; AU 6743194 A 19950127; AU 682363 B2 19971002; BE 1007272 A3 19950509; BR 9402833 A 19950404; CA 2127582 A1 19950116; FI 943388 A0 19940715; FI 943388 A 19950116; JP H0748792 A 19950221; NO 942651 D0 19940714; NO 942651 L 19950116; NZ 260982 A 19941222; YU 45394 A 19961018; ZA 945110 B 19950223

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EP 94202003 A 19940711; AU 6743194 A 19940713; BE 9300745 A 19930715; BR 9402833 A 19940715; CA 2127582 A 19940707; FI 943388 A 19940715; JP 16376894 A 19940715; NO 942651 A 19940714; NZ 26098294 A 19940712; YU 45394 A 19940715; ZA 945110 A 19940713