

Title (en)

Process for treating a papermaking pulp with an enzymatic preparation to make paper or cardboard.

Title (de)

Verfahren zur Behandlung von Zellstoff mit einer Enzymzubereitung für die Papier- und Pappeherstellung.

Title (fr)

Procédé de traitement d'une pâte papetière par une préparation enzymatique pour la fabrication de papier ou de carton.

Publication

EP 0421843 B1 19941214 (FR)

Application

EP 90402657 A 19900927

Priority

FR 8912823 A 19891002

Abstract (en)

[origin: EP0421843A1] The invention relates to a process for treating a papermaking pulp with an enzymatic preparation. <??>According to the process, an enzymatic preparation containing cellulases and/or hemicellulases, chosen from those derived from the fungus *Humicola insolens* and from the bacterium *Cellulomonas*, is reacted with an aqueous suspension of the abovementioned pulp possessing a number of degrees Schopper-Riegler (SR), determined in accordance with Standard NFAQ 50 003, equal to at least 25. <??>Application of the process for treating a papermaking pulp based on recycled fibres, possessing a pH equal to at least 5. <IMAGE>

IPC 1-7

D21C 9/00

IPC 8 full level

C12N 9/42 (2006.01); **C12S 3/08** (2006.01); **D21C 5/00** (2006.01); **D21C 5/02** (2006.01); **D21C 9/00** (2006.01); **C12R 1/645** (2006.01)

CPC (source: EP US)

D21C 5/005 (2013.01 - EP US)

Cited by

CN107881825A

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0421843 A1 19910410; EP 0421843 B1 19941214; AT E115661 T1 19941215; CA 2026652 A1 19910403; DE 69015095 D1 19950126; DE 69015095 T2 19950727; ES 2068360 T3 19950416; FI 101722 B1 19980814; FI 101722 B 19980814; FI 904843 A0 19901001; FR 2652595 A1 19910405; FR 2652595 B1 19950331; GR 3015285 T3 19950630; JP H03124891 A 19910528; NO 176617 B 19950123; NO 176617 C 19950503; NO 904266 D0 19901001; NO 904266 L 19910403; US 5116474 A 19920526

DOCDB simple family (application)

EP 90402657 A 19900927; AT 90402657 T 19900927; CA 2026652 A 19901001; DE 69015095 T 19900927; ES 90402657 T 19900927; FI 904843 A 19901001; FR 8912823 A 19891002; GR 950400463 T 19950303; JP 25755190 A 19900928; NO 904266 A 19901001; US 59126890 A 19901001