

Title (en)
MANUFACTURE OF PAPER USING COPOLYMERS OF 2-ACRYLAMIDO-2-METHYLPROPANE SULFONIC ACID FOR INCREASING RATE OF DEWATERING OF HIGH MECHANICAL/THERMOMECHANICAL PULP FURNISHES

Publication
EP 0129078 B1 19880107 (EN)

Application
EP 84105686 A 19840518

Priority
US 50456183 A 19830615

Abstract (en)
[origin: EP0129078A1] A process for increasing rate of dewatering in the manufacture of paper from an aqueous furnish which comprises at least 40% by weight of mechanical wood pulp, thermomechanical wood pulp, or mixtures thereof, by addition thereto of an aluminum salt, e.g., alum, and a water-soluble copolymer containing from about 2 to about 30 mole percent repeating units derived from 2-acrylamido-2-methylpropane sulfonic acid, from 0 to about 25 mole percent repeating unit derived from acrylic acid, and from about 45 to about 98 mole percent repeating units derived from acrylamide, while maintaining pH of the furnish in the range of from about 3.5 to about 6.5.

IPC 1-7
D21H 3/38; **D21H 5/14**

IPC 8 full level
D21C 9/18 (2006.01); **D21H 11/08** (2006.01); **D21H 13/12** (2006.01); **D21H 17/37** (2006.01); **D21H 21/10** (2006.01)

CPC (source: EP KR)
D21H 11/08 (2013.01 - EP); **D21H 13/12** (2013.01 - KR); **D21H 17/37** (2013.01 - EP); **D21H 21/10** (2013.01 - EP)

Cited by
CN111386289A; US11306441B2; WO2024049752A1

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

DOCDB simple family (publication)
EP 0129078 A1 19841227; **EP 0129078 B1 19880107**; AT E31757 T1 19880115; AU 2936284 A 19841220; CA 1216711 A 19870120; DE 3468458 D1 19880211; DK 291684 A 19841216; DK 291684 D0 19840614; FI 71799 B 19861031; FI 71799 C 19870209; FI 842418 A0 19840614; FI 842418 A 19841216; JP S6017192 A 19850129; KR 850000564 A 19850228; KR 900002108 B1 19900402; NO 842387 L 19841217; ZA 844518 B 19850227

DOCDB simple family (application)
EP 84105686 A 19840518; AT 84105686 T 19840518; AU 2936284 A 19840614; CA 456437 A 19840613; DE 3468458 T 19840518; DK 291684 A 19840614; FI 842418 A 19840614; JP 11923284 A 19840612; KR 840003336 A 19840614; NO 842387 A 19840614; ZA 844518 A 19840614