

Title (en)
PROCESS FOR ENNOBLING PAPER AND PAPER-BOARD

Publication
EP 0036993 B1 19831019 (DE)

Application
EP 81101918 A 19810316

Priority
DE 3012002 A 19800328

Abstract (en)
[origin: EP0036993A1] 1. Process for improving the strength of paper, board or card materials by treating the surface of these materials with aqueous solutions of copolymers of (meth)acrylic acid derivatives and optionally customary additives, characterized in that the copolymers used are copolymers of 1. 0.1-10 % by weight of acrylonitrile, 2. at least 30 % by weight of acrylamide and 3. 30-60 % by weight of acrylic acid and/or methacrylic acid, which can optionally be present entirely or partially in the form of their ammonium salt.

IPC 1-7
D21H 3/38

IPC 8 full level
D21H 17/34 (2006.01); **D21H 17/43** (2006.01); **D21H 19/20** (2006.01)

CPC (source: EP)
D21H 17/43 (2013.01)

Citation (examination)

- FR 2108635 A5 19720519 - NITTO CHEMICAL INDUSTRY CO LTD, et al
- DE 2741753 B1 19790322 - BASF AG
- US 2999038 A 19610905 - DRENNEN THOMAS J, et al

Cited by
US6740373B1; EP0953679A1; US6159340A; US5890530A; EP0193111A3

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

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EP 0036993 A1 19811007; EP 0036993 B1 19831019; AT E5089 T1 19831115; DE 3012002 A1 19811008; DE 3161211 D1 19831124; JP S56148995 A 19811118

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EP 81101918 A 19810316; AT 81101918 T 19810316; DE 3012002 A 19800328; DE 3161211 T 19810316; JP 4260781 A 19810325