

Title (en)

Process of preparing hydrophilic polyolefin fibers, the fibers so produced, and paper containing said fibers.

Title (de)

Verfahren zur Herstellung von hydrophilen Polyolefinfasern, die derart hergestellten Fasern, und ein Papier, das diese Fasern enthält.

Title (fr)

Procédé de préparation de fibres hydrophiles de polyoléfines, les fibres ainsi préparées, et un papier contenant ces fibres.

Publication

EP 0000628 A1 19790207 (EN)

Application

EP 78300120 A 19780705

Priority

US 81942577 A 19770727

Abstract (en)

[origin: ES472054A1] {PG,1 Hydrophilic polyolefin fibers may be prepared, for example, by discharging a heated and pressurized solution of an anionic polyolefin composition containing carboxylic functionality into a zone of reduced temperature and pressure, and then modifying the fibers so produced by treatment with an aqueous admixture of selected cationic and anionic water-soluble, nitrogen-containing polymers. Blends of the hydrophilic fibers with wood pulp provide paper products having improved physical properties.

IPC 1-7

D21H 5/20; C08J 7/00; D06M 15/12

IPC 8 full level

C08J 7/00 (2006.01); **D01F 6/04** (2006.01); **D06M 15/00** (2006.01); **D01F 6/46** (2006.01); **D06M 15/267** (2006.01); **D06M 15/285** (2006.01); **D06M 15/37** (2006.01); **D06M 15/59** (2006.01); **D06M 15/61** (2006.01); **D21H 13/14** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/18** (2006.01)

IPC 8 main group level

D01F (2006.01); **D21H** (2006.01)

CPC (source: EP US)

D21H 5/202 (2013.01 - EP US); **D21H 13/14** (2013.01 - EP US); **Y10T 428/2967** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

BE CH DE FR GB NL SE

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EP 78300120 A 19780705; AT 542978 A 19780726; AU 3836778 A 19780726; BR 7804818 A 19780726; CA 307113 A 19780710; DK 335378 A 19780727; ES 472054 A 19780726; FI 782163 A 19780705; IT 2612678 A 19780726; JP 9053978 A 19780726; NO 782561 A 19780725; US 81942577 A 19770727