

Title (en)

Preparation of hydrophilic polyolefin fibres and paper containing these fibres.

Title (de)

Herstellung hydrophiler Polyolefinfasern und diese Fasern enthaltendes Papier.

Title (fr)

Préparation de fibres hydrophiles de polyoléfines et papier contenant ces fibres.

Publication

EP 0014534 A1 19800820 (EN)

Application

EP 80300200 A 19800122

Priority

GB 7903844 A 19790202

Abstract (en)

Water-dispersible, uniformly hydrophilic polyolefin fibers are prepared by treatment of an aqueous suspension of spurted polyolefin fibers with an aqueous solution of a water-soluble ionized reagent capable of being converted into hydrated solid particles submicron in size to form a dispersion of said fibers and then adding to the dispersion an ionic precipitant for the ionized reagent. Representative of the ionized reagent and the ionic precipitant are the sodium salt of hydrogenated rosin and papermakers' alum, respectively.

IPC 1-7

D21H 5/20

IPC 8 full level

D01F 6/04 (2006.01); **D01F 6/06** (2006.01); **D01F 11/04** (2006.01); **D01F 11/06** (2006.01); **D06M 11/00** (2006.01); **D06M 11/57** (2006.01); **D06M 11/65** (2006.01); **D06M 15/17** (2006.01); **D06M 15/263** (2006.01); **D21H 13/14** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/18** (2006.01); **D06M 101/20** (2006.01); **D06M 101/22** (2006.01)

IPC 8 main group level

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

CPC (source: EP)

D06M 13/184 (2013.01); **D06M 15/263** (2013.01); **D21H 13/14** (2013.01); **D06M 2101/20** (2013.01)

Citation (search report)

- US 3872039 A 19750318 - VAUGHN WALTER LEE, et al
- US 3743570 A 19730703 - YANG C, et al

Cited by

US5640098A; EP0123414A1

Designated contracting state (EPC)

BE CH DE FR GB IT NL SE

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EP 0014534 A1 19800820; **EP 0014534 B1 19850925**; AU 534620 B2 19840209; AU 5510080 A 19800807; BR 8000647 A 19801014; CA 1148706 A 19830628; DE 3071109 D1 19851031; DK 45480 A 19800803; ES 488174 A0 19801216; ES 8102211 A1 19801216; FI 800149 A 19800803; JP S55103305 A 19800807; JP S6335753 B2 19880715; NO 800246 L 19800804

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EP 80300200 A 19800122; AU 5510080 A 19800131; BR 8000647 A 19800201; CA 343771 A 19800116; DE 3071109 T 19800122; DK 45480 A 19800201; ES 488174 A 19800201; FI 800149 A 19800117; JP 1015480 A 19800201; NO 800246 A 19800131