

Title (en)

PROCESS FOR STRENGTHENING FIBRE PRODUCTS WITH AQUEOUS PLASTICS DISPERSIONS

Publication

EP 0084810 A3 19870408 (DE)

Application

EP 83100224 A 19830113

Priority

DE 3202122 A 19820123

Abstract (en)

[origin: US4476182A] What are disclosed are a method for the reinforcement of a fibrous article with an aqueous dispersion of a resin, free of formaldehyde and acrylonitrile, comprising at least 40 weight percent of alkyl acrylates and/or methacrylates having at least 4 carbon atoms in the alkyl group; up to 57 weight percent of alkyl acrylates or methacrylates having not more than 3 carbon atoms in the alkyl group, or of styrene; less than 1 weight percent of acrylic acid or of methacrylic acid; and from 3 to 15 weight percent of a hydroxyalkyl ester of an unsaturated carboxylic acid, as well as reinforced fibrous articles made by this method and distinguished by high wet strength and by low loss of the resin binder on washing with boiling water.

IPC 1-7

D04H 1/64

IPC 8 full level

D04H 1/435 (2012.01); **D04H 1/58** (2006.01); **D04H 1/587** (2012.01); **D04H 1/64** (2006.01); **D06M 15/263** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01)

CPC (source: EP US)

D04H 1/435 (2013.01 - EP); **D04H 1/587** (2013.01 - EP); **D04H 1/64** (2013.01 - EP); **Y10T 442/2344** (2015.04 - EP US); **Y10T 442/2861** (2015.04 - EP US)

Citation (search report)

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- [AD] EP 0012033 A1 19800611 - ROHM & HAAS [US]
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Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0084810 A2 19830803; **EP 0084810 A3 19870408**; **EP 0084810 B1 19890329**; DE 3202122 A1 19830728; DE 3379511 D1 19890503; FI 71775 B 19861031; FI 71775 C 19870209; FI 824482 A0 19821228; FI 824482 L 19830724; JP H0372743 B2 19911119; JP S58126374 A 19830727; US 4476182 A 19841009

DOCDB simple family (application)

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