

Title (en)
Composition for the surface treatment of polymer fibres.

Title (de)
Zusammensetzung für die Oberflächenbehandlung von Polymerfasern.

Title (fr)
Composition de traitement superficiel de fibres polymères.

Publication
EP 0345455 A2 19891213 (DE)

Application
EP 89107754 A 19890428

Priority
DE 3815543 A 19880506

Abstract (en)
Aqueous surface treatment compositions for polymer fibres based on a resin formulation were to be improved in respect of the textile processing properties of the fibres treated therewith and the adhesion of the fibres to a matrix. This was possible by combining . 1 - 30% by weight of a polar phenolic resin of the resol type . 2 - 40% by weight of a resol-crosslinkable copolymer of a free radical polymerisable aromatic hydroxymethyl and/or methylhalogen compound and water to 100% by weight, and also if desired up to 5% by weight of further adhesion promoters.

Abstract (de)
Bei wäßrigen Oberflächenbehandlungsmitteln für Polymerfasern auf Basis einer Harzzubereitung sollte die textile Bearbeitbarkeit der damit behandelnden Fasern und die Bindungsfestigkeit der Fasern zu einer Matrix verbessert werden. Dies gelang dadurch, daß man - 1 - 30 Gew.-% eines polaren Phenoplasts vom Resoltyp - 2 - 40 Gew.-% eines mit Resolen vernetzbaren Copolymeren einer radikalisch polymerisierbaren aromatischen Hydroxymethyl- und/oder Methylhalogenverbindung sowie Wasser zur Ergänzung auf 100 Gew.-%, wobei gewünschtenfalls bis zu 5 Gew.-% an weiteren Haftverbesserern miteinander kombiniert.

IPC 1-7
C08J 5/06; D06M 15/233; D06M 15/41

IPC 8 full level
C08J 5/06 (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/35** (2006.01); **D06M 13/355** (2006.01); **D06M 13/358** (2006.01); **D06M 13/368** (2006.01); **D06M 13/51** (2006.01); **D06M 13/513** (2006.01); **D06M 15/233** (2006.01); **D06M 15/244** (2006.01); **D06M 15/41** (2006.01); **D06M 15/693** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01); **D06M 101/34** (2006.01); **D06M 101/36** (2006.01)

CPC (source: EP KR US)
D06M 13/08 (2013.01 - KR); **D06M 15/233** (2013.01 - EP US); **D06M 15/41** (2013.01 - EP US); **Y10S 8/21** (2013.01 - US); **Y10T 428/2969** (2015.01 - EP US)

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

DOCDB simple family (publication)
EP 0345455 A2 19891213; EP 0345455 A3 19911113; EP 0345455 B1 19931103; AT E96858 T1 19931115; AU 3408489 A 19891109; AU 624375 B2 19920611; BR 8902108 A 19900904; CA 1332100 C 19940927; CN 1037750 A 19891206; CN 1040466 C 19981028; CN 1203294 A 19981230; DE 3815543 A1 19891116; DE 58906075 D1 19931209; DK 222489 A 19891107; DK 222489 D0 19890505; ES 2059611 T3 19941116; IL 90174 A0 19891215; JP 2733546 B2 19980330; JP H0284572 A 19900326; KR 900000542 A 19900130; KR 960013472 B1 19961005; NO 891864 D0 19890505; NO 891864 L 19891107; RU 1838485 C 19930830; TR 24730 A 19920306; US 5118430 A 19920602; ZA 893331 B 19900131

DOCDB simple family (application)
EP 89107754 A 19890428; AT 89107754 T 19890428; AU 3408489 A 19890505; BR 8902108 A 19890505; CA 598868 A 19890505; CN 89103059 A 19890506; CN 98105201 A 19980216; DE 3815543 A 19880506; DE 58906075 T 19890428; DK 222489 A 19890505; ES 89107754 T 19890428; IL 9017489 A 19890503; JP 11403089 A 19890506; KR 890006053 A 19890506; NO 891864 A 19890505; SU 4613963 A 19890505; TR 37489 A 19890503; US 34790689 A 19890505; ZA 893331 A 19890505