

Title (en)

Method of preparing an improved sizing agent and novel paper sizing method.

Title (de)

Verfahren zur Herstellung eines Leimungsmittels und Papierleimungsverfahren.

Title (fr)

Méthode de préparation d'un agent d'encollage et méthode d'encollage de papier.

Publication

EP 0151994 B2 19950419 (EN)

Application

EP 85100782 A 19850125

Priority

- US 57432484 A 19840127
- US 62547684 A 19840625

Abstract (en)

[origin: EP0151994A2] Cationically charged water soluble vinyl addition polymers provide improved emulsification of alkenyl succinic anhydride sizing agents. Sized paper products prepared from alkenyl succinic anhydride emulsions made with the polymers have superior ink holdout and strength.

IPC 1-7

D21H 17/71; **D21H 17/14**; **D21H 17/45**

IPC 8 full level

D21H 17/15 (2006.01); **D21H 17/45** (2006.01)

CPC (source: EP)

D21H 17/15 (2013.01); **D21H 17/455** (2013.01)

Cited by

EP0743394A3; CN113403874A; US6951892B2; US6207719B1; AU750335B2; CZ301693B6; EP0177260A1; US4882087A; EP2920364A4; CN110407973A; AU2011323531B2; AU2011323531A9; US10145067B2; US7750054B2; US9951475B2; US9752283B2; US9920482B2; US8709207B2; WO2004059082A1; WO2012061384A3; WO9955962A3; US8840759B2; US9624623B2; US10227731B2; US9702086B2; US9840810B2; US10889939B2; TWI582290B; WO2012007364A1; US10648133B2; WO2014164380A1; EP2635634B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0151994 A2 19850821; **EP 0151994 A3 19851127**; **EP 0151994 B1 19910807**; **EP 0151994 B2 19950419**; AU 3800485 A 19850801; AU 577735 B2 19880929; BR 8500339 A 19850903; CS 264115 B2 19890613; CS 58385 A2 19880916; DE 3583688 D1 19910912; DK 172016 B1 19970915; DK 34085 A 19850728; DK 34085 D0 19850125; ES 539847 A0 19860901; ES 8609428 A1 19860901; FI 81860 B 19900831; FI 81860 C 19901210; FI 850296 A0 19850123; FI 850296 L 19850728; GR 850215 B 19850517; MX 166763 B 19930202; NZ 210958 A 19880830; PL 148735 B1 19891130; PL 251704 A1 19851008

DOCDB simple family (application)

EP 85100782 A 19850125; AU 3800485 A 19850123; BR 8500339 A 19850125; CS 58385 A 19850128; DE 3583688 T 19850125; DK 34085 A 19850125; ES 539847 A 19850125; FI 850296 A 19850123; GR 850100215 A 19850125; MX 20414885 A 19850125; NZ 21095885 A 19850125; PL 25170485 A 19850126