

Title (en)

Aqueous composition containing an alkali-swelling roughly insoluble latex, for the coating of paper.

Title (de)

Alkaliquellende, ziemlich unlöslichen Latex enthaltende wässrige Zusammensetzung zur Beschichtung von Papier.

Title (fr)

Composition aqueuse pour couchage de papier comportant un latex alcaligonflant sensiblement insoluble.

Publication

**EP 0509878 A1 19921021 (FR)**

Application

**EP 92400961 A 19920407**

Priority

FR 9104565 A 19910415

Abstract (en)

Aqueous paper-coating composition with an alkaline pH of between 4 and 7, comprising: - an insoluble and alkali-nonswellable polymer latex A which has a mean particle diameter OA of between 60 and 300 nm, - an insoluble, alkali-swellaable polymer latex B which has a particle diameter OB of between 20 and 150 nm measured at pH of between 2 and 4 and capable of swelling at least 1.5 times in diameter in an alkaline medium, - an inorganic pigment C containing at least 40 % by weight of CaCO<sub>3</sub>.

IPC 1-7

**D21H 19/58**

IPC 8 full level

**D21H 19/58** (2006.01)

CPC (source: EP US)

**D21H 19/58** (2013.01 - EP US)

Citation (search report)

- [AD] FR 2444114 A1 19800711 - POLYSAR LTD [CA]
- [AD] DE 1919379 A1 19691023 - ICI LTD
- [A] US 3963843 A 19760615 - HITCHMOUGH JOHN R, et al
- [A] EP 0244250 A1 19871104 - DOW CHEMICAL CO [US]
- [A] WORLD PATENTS INDEX Week 7614, Derwent Publications Ltd., London, GB; AN 76-24612X & DD-A-117 688 (STEFFERS) 20 Janvier 1976

Cited by

EP0607074A1; FR2700329A1; US7972386B2; WO2007069037A1; US7976582B2; WO0244471A1; US6521701B2; US8563643B2; EP2075374A1; EP0724663B1; US8455423B2; US8722608B2; US9469666B2

Designated contracting state (EPC)

AT DK ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0509878 A1 19921021; EP 0509878 B1 19980701**; AT E167909 T1 19980715; BR 9201346 A 19921201; ES 2121831 T3 19981216; FI 110386 B 20030115; FI 921674 A0 19920414; FI 921674 A 19921016; FR 2675165 A1 19921016; FR 2675165 B1 19930806; US 5563201 A 19961008

DOCDB simple family (application)

**EP 92400961 A 19920407**; AT 92400961 T 19920407; BR 9201346 A 19920413; ES 92400961 T 19920407; FI 921674 A 19920414; FR 9104565 A 19910415; US 29231394 A 19940818