

Title (en)

Agent and process for neutral sizing.

Title (de)

Mittel und Verfahren zur Neutralleimung.

Title (fr)

Agent et procédé pour l'encollage neutre.

Publication

EP 0112525 A1 19840704 (DE)

Application

EP 83112302 A 19831207

Priority

- DE 3245390 A 19821208
- DE 3338087 A 19831020
- DE 3338088 A 19831020

Abstract (en)

[origin: US4591412A] A composition of matter for the neutral sizing of paper, paperboard, cardboard and other cellulose containing materials, is disclosed comprising water; a solvent which is unlimitedly miscible with water, particularly alcohol; a compound which undergoes a basic reaction; alkali aluminate; and a sizing component. When sizing is effected with this agent, the fiber containing suspension is mixed with a retention agent, before or after the addition of the sizing agent, with the sizing agent being activated by way of neutralization.

Abstract (de)

Mittel zur Neutralleimung von Papier, Karton, Pappen und anderen cellulosehaltigen Materialien, bestehend aus Wasser, einem mit Wasser unbegrenzt mischbaren Lösungsmittel, insbesondere Alkohol, einer basisch reagierenden Verbindung, Alkalialuminat und einer Leimungskomponente. Bei der Leimung mit diesem Mittel wird die faserhaltige Suspension vor oder nach Zugabe des Leimungsmittels mit einem Retentionsmittel vermischt, wobei das Leimungsmittel durch Neutralisation aktiviert wird.

IPC 1-7

D21H 3/02; D21D 3/00

IPC 8 full level

D21H 17/06 (2006.01); **D21H 17/14** (2006.01); **D21H 17/62** (2006.01); **D21H 17/64** (2006.01); **D21H 17/66** (2006.01); **D21H 23/00** (2006.01)

CPC (source: EP US)

D21H 17/06 (2013.01 - EP US); **D21H 17/14** (2013.01 - EP US); **D21H 17/62** (2013.01 - EP US); **D21H 17/64** (2013.01 - EP US); **D21H 17/66** (2013.01 - EP US); **D21H 23/00** (2013.01 - EP US)

Citation (search report)

- [A] DE 1036429 B 19580814 - SCHNEIDER G M B H A
- [A] DE 2924947 A1 19810122 - GIULINI CHEMIE
- [A] DE 2321680 A1 19741121 - GIULINI GMBH GEB
- [A] EP 0058818 A1 19820901 - DYNAMIT NOBEL AG [DE]
- [A] DE 1028077 B 19580417 - GEN ELECTRIC
- [A] US 2680073 A 19540601 - DAVIDSON JOHN B, et al
- [A] US 3433658 A 19690318 - ERRICO MICHAEL JOSEPH D, et al
- [A] DE 1136044 B 19620906 - CHEM FAB BRUEHL GOTTFRIED KENT
- [A] US 3577402 A 19710504 - DORBRANSKY ROBERT ALAN
- [A] US 2749316 A 19560605 - BERNARD COATES KENNETH
- [A] DE 2031293 A1 19711230
- [A] FR 1279460 A 19611222 - CENTRE NAT RECH SCIENT
- [AD] US 3540980 A 19701117 - JONES HAROLD L
- [A] US 1929205 A 19331003 - EARL LIBBY CLARENCE
- [A] TAPPI JOURNAL, Band 65, Nr. 11, November 1982, Seiten 105-109, Atlanta, GA., US

Cited by

WO03000992A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0112525 A1 19840704; EP 0112525 B1 19870318; DE 3370360 D1 19870423; US 4591412 A 19860527

DOCDB simple family (application)

EP 83112302 A 19831207; DE 3370360 T 19831207; US 55996183 A 19831208