

Title (en)
Complex pigmentary compositions for coating paper.

Title (de)
Komplexe Pigmentzusammensetzungen für die Papierbeschichtung.

Title (fr)
Compositions pigmentaires complexes pour l'enduction du papier.

Publication
EP 0261039 A1 19880323 (FR)

Application
EP 87420222 A 19870819

Priority
FR 8612099 A 19860822

Abstract (en)
[origin: US4775420A] Complex pigment compositions for the coating of paper, comprising an aqueous phase, at least one pigment of mineral origin, a binding agent, optionally various customary additives, and a dispersing agent comprised of carboxyl-containing polymers which are water soluble and are converted to form salts. The polymers are obtained by known polymerization processes. The dispersing agent (a) has a specific viscosity (measured on the sodium salt) of between 0.25 and 2; and (b) is converted to the salt form to the extent of at least 60% by at least one salt-forming agent which has a polyvalent function. These complex pigment compositions have very low viscosities. They may also simultaneously contain diverse pigments, such as kaolin, titanium dioxide, and calcium carbonate, without suffering the usual increase in viscosity and the risk of setting.

Abstract (fr)
Compositions pigmentaires complexes pour l'enduction du papier comprenant une phase aqueuse, au moins un pigment d'origine minérale, un agent liant, éventuellement divers additifs usuels et un agent dispersant constitué par les polymères carboxyliques hydrosolubles sous une forme salifiée obtenus par les procédés connus de polymérisation qui se caractérisent en ce que l'agent dispersant : a) dispose d'une viscosité spécifique comprise entre 0,25 et 2 (mesurée sous la forme d'un sel de sodium), b) est salifié à un taux d'au moins 0,60 par au moins un agent de salification disposant d'une fonction polyvalente. Ces compositions pigmentaires complexes qui offrent de très faibles viscosités peuvent contenir simultanément des pigments aussi divers que kaolin, dioxyde de titane, carbonate de calcium, tout en éliminant les habituelles augmentations de viscosité et les risques de prise en masse.

IPC 1-7
C09C 3/10; D21H 19/56

IPC 8 full level
D21H 19/16 (2006.01); **C09C 3/10** (2006.01); **D21H 19/38** (2006.01); **D21H 19/56** (2006.01); **D21H 19/58** (2006.01)

CPC (source: EP US)
D21H 19/58 (2013.01 - EP US)

Citation (search report)

- [X] EP 0100947 A1 19840222 - COATEX SA [FR]
- [A] FR 2387911 A1 19781117 - KAO CORP [JP]
- [X] CHEMICAL ABSTRACTS, vol. 103, no. 20, 18 novembre 1985, page 89, abrégé no. 162097j, Columbus, Ohio, US; & JP-A-60 99 334 (KURARAY CO., LTD) 03-06-1985

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Designated contracting state (EPC)
AT BE DE ES GB IT NL SE

DOCDB simple family (publication)
EP 0261039 A1 19880323; EP 0261039 B1 19901212; AR 242618 A1 19930430; AT E59069 T1 19901215; AU 604251 B2 19901213; AU 7668387 A 19880225; BR 8704323 A 19880419; CA 1289288 C 19910917; DE 3766679 D1 19910124; ES 2019965 B3 19910716; FI 873622 A0 19870821; FI 873622 A 19880223; FI 89190 B 19930514; FI 89190 C 19930825; FR 2603042 A1 19880226; FR 2603042 B1 19881110; JP S6359497 A 19880315; US 4775420 A 19881004; ZA 875892 B 19880212

DOCDB simple family (application)
EP 87420222 A 19870819; AR 30849487 A 19870821; AT 87420222 T 19870819; AU 7668387 A 19870807; BR 8704323 A 19870821; CA 545082 A 19870821; DE 3766679 T 19870819; ES 87420222 T 19870819; FI 873622 A 19870821; FR 8612099 A 19860822; JP 20805287 A 19870821; US 3158987 A 19870330; ZA 875892 A 19870810