

Title (en)
PAPER COATING.

Title (de)
PAPIERÜBERZUG.

Title (fr)
ENDUIT DE COUCHAGE POUR PAPIER.

Publication
EP 0504245 B1 19950412 (EN)

Application
EP 91900880 A 19901204

Priority
• GB 9001883 W 19901204
• GB 8927536 A 19891206
• US 61344790 A 19901113

Abstract (en)
[origin: WO9108341A1] There is disclosed an aqueous paper coating composition which comprises at least 45 % by weight of a particulate pigment dispersed with a dispersing agent, and an adhesive; characterised in that said dispersing agent comprises an anionic polyelectrolyte and a cationic polyelectrolyte, the cationic polyelectrolyte being present in an amount sufficient to render the particles cationic, in that said adhesive is a cationic or non-ionic adhesive and in that said particulate pigment is one which is not capable of being dispersed in water at high solids, and following vigorous mixing, in the sole presence of said cationic polyelectrolyte. Also disclosed is a method for making the paper coating composition, a method for coating a paper with a paper coating composition and the resulting coated paper. The coated paper of the invention is particularly suited to recycling.

IPC 1-7
D21H 19/56; D21H 19/58; D21H 19/62; D21H 11/14

IPC 8 full level
D21H 19/44 (2006.01); **C09D 1/00** (2006.01); **C09D 7/12** (2006.01); **C09D 7/45** (2018.01); **D21H 11/14** (2006.01); **D21H 19/36** (2006.01); **D21H 19/56** (2006.01); **D21H 19/58** (2006.01); **D21H 19/62** (2006.01); **D21H 19/64** (2006.01)

IPC 8 main group level
D21H (2006.01)

CPC (source: EP)
D21H 19/56 (2013.01)

Citation (examination)
TAPPI, vol.65, no.4, April 1982, pp. 123-125, Atlanta, Georgia, US; A.J. SHARPE, Jr. et al.: "Improved cationic conductive polymer displays outstanding filmability"

Cited by
US11685820B2; US11525211B2; US11319673B2

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

DOCDB simple family (publication)
WO 9108341 A1 19910613; AT E121149 T1 19950415; AU 647762 B2 19940331; AU 6958491 A 19910626; BR 9007899 A 19920915; CA 2072641 A1 19910607; CN 1051826 C 20000426; CN 1052912 A 19910710; DE 69018648 D1 19950518; DE 69018648 T2 19950810; DK 0504245 T3 19950904; EP 0504245 A1 19920923; EP 0504245 B1 19950412; ES 2070484 T3 19950601; FI 101091 B 19980415; FI 922555 A0 19920603; FI 922555 A 19920603; GB 2253857 A 19920923; GB 2253857 B 19930804; GB 8927536 D0 19900207; GB 9207583 D0 19920603; JP H05502484 A 19930428; NO 180598 B 19970203; NO 180598 C 19970514; NO 922206 D0 19920604; NO 922206 L 19920630; NZ 236353 A 19930127; ZA 909749 B 19911030

DOCDB simple family (application)
GB 9001883 W 19901204; AT 91900880 T 19901204; AU 6958491 A 19901204; BR 9007899 A 19901204; CA 2072641 A 19901204; CN 90110340 A 19901206; DE 69018648 T 19901204; DK 91900880 T 19901204; EP 91900880 A 19901204; ES 91900880 T 19901204; FI 922555 A 19920603; GB 8927536 A 19891206; GB 9207583 A 19920407; JP 50130690 A 19901204; NO 922206 A 19920604; NZ 23635390 A 19901205; ZA 909749 A 19901204