

Title (en)
METHOD OF REUSING FILLERS AND COATING PIGMENTS USED IN PAPER, PAPERBOARD AND CARDBOARD MANUFACTURE

Title (de)
VERFAHREN ZUR WIEDERVERWERTUNG VON FÜLLSTOFFEN UND STREICHPIGMENTEN DER PAPIER-, PAPPE- UND KARTONHERSTELLUNG

Title (fr)
PROCEDE DE RECUPERATION DE CHARGES ET DE PIGMENTS DE COUCHAGE UTILISES DANS LA FABRICATION DE PAPIER ET DE CARTON

Publication
EP 0910697 A1 19990428 (DE)

Application
EP 97915390 A 19970319

Priority
• DE 19627523 A 19960709
• EP 9701375 W 19970319

Abstract (en)
[origin: DE19627523C1] The invention concerns a method of reusing fillers and coating pigments used in the manufacture of paper, paperboard and cardboard and obtained from the residual water slurries of waste water from paintworks, de-inking plants, intra-plant purification plants or separation devices. The invention further concerns the use of pigment slurry occurring in this way to produce a coating compound for the paper industry and for the use of compound in paper manufacture. The method according to the invention for reusing fillers and coating pigments used in the manufacture of paper, paperboard and cardboard and obtained from the residual water slurries of waste water from paintworks, de-inking plants, intra-plant purification plants or separation devices is characterized in that the residual water slurries containing fillers and coating pigments are delivered as a powder or slurry containing fresh pigment and/or fresh fillers to a mixing stage and subsequently to a comminution stage in order to form a pigment slurry containing fresh pigment or fresh fillers.

IPC 1-7
D21H 17/01; **D21F 1/66**

IPC 8 full level
D21F 1/66 (2006.01); **D21H 17/01** (2006.01); **D21H 17/67** (2006.01); **D21H 19/38** (2006.01)

CPC (source: EP US)
D21F 1/66 (2013.01 - EP US); **D21H 17/01** (2013.01 - EP US); **D21H 17/67** (2013.01 - EP US); **D21H 19/38** (2013.01 - EP US); **Y10S 162/09** (2013.01 - EP US); **Y10S 210/928** (2013.01 - EP US)

Cited by
EP1734174A2

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

DOCDB simple family (publication)
DE 19627523 C1 19971023; AT E202810 T1 20010715; AU 2288997 A 19980202; BR 9710866 A 20000111; CA 2250475 A1 19980115; CA 2250475 C 20051227; CN 1120262 C 20030903; CN 1225144 A 19990804; CZ 2299 A3 19990616; CZ 298816 B6 20080213; DE 59703962 D1 20010809; DK 0910697 T3 20010924; EP 0910697 A1 19990428; EP 0910697 B1 20010704; ES 2160936 T3 20011116; GR 3036174 T3 20011031; HU 221442 B 20021028; HU P9903637 A2 20000328; HU P9903637 A3 20010428; JP 2000514510 A 20001031; JP 4046764 B2 20080213; NO 324375 B1 20071001; NO 990074 D0 19990108; NO 990074 L 19990108; PL 187463 B1 20040730; PL 331011 A1 19990621; PT 910697 E 20011030; TR 199900012 T2 19990421; US 2002088587 A1 20020711; US 2003041990 A1 20030306; US 6214166 B1 20010410; US 6444092 B1 20020903; US 7887629 B2 20110215; WO 9801621 A1 19980115

DOCDB simple family (application)
DE 19627523 A 19960709; AT 97915390 T 19970319; AU 2288997 A 19970319; BR 9710866 A 19970319; CA 2250475 A 19970319; CN 97196175 A 19970319; CZ 2299 A 19970319; DE 59703962 T 19970319; DK 97915390 T 19970319; EP 9701375 W 19970319; EP 97915390 A 19970319; ES 97915390 T 19970319; GR 20010401005 T 20010705; HU P9903637 A 19970319; JP 50468698 A 19970319; NO 990074 A 19990108; PL 33101197 A 19970319; PT 97915390 T 19970319; TR 9900012 T 19970319; US 19390202 A 20020715; US 22753399 A 19990108; US 74102300 A 20001221