

Title (en)

Recording material for receiving water-based inks

Title (de)

Aufzeichnungsmaterial für wasserverdünnbare Tinten

Title (fr)

Matériau d'enregistrement pour recevoir des encres de base aqueuse

Publication

EP 0870623 A1 19981014 (DE)

Application

EP 98105981 A 19980401

Priority

DE 19715187 A 19970411

Abstract (en)

A recording material (I) having at least one colour receiving layer (A) for absorption of a water-soluble dye solution, in which the layer (A) contains (i) an epoxide-crosslinkable, carboxylic acid group-containing, cationic copolymer (II); (ii) an epoxide-containing metal oxide (III); and (iii) a water-soluble polymer (IV). Also claimed is a process for the production of (I), by making a coating solution from copolymer (II), metal oxide sol (III) and polymer (IV), coating this solution onto a substrate material, gelling and then drying to form layer (A).

Abstract (de)

Ein Aufzeichnungsmaterial, insbesondere für Tintenstrahldrucker, besitzt eine Farbempfangsschicht, die zur ortsselektiven Aufnahme einer wasserlöslichen Farbstofflösung eingerichtet ist und eine epoxidvernetzbares, carbonsäuregruppenhaltiges kationisches Mischpolymerisat, ein epoxidhaltiges Metalloxid und ein wasserlösliches Polymer enthält.

IPC 1-7

B41M 5/00

IPC 8 full level

B32B 27/38 (2006.01); **B41J 2/01** (2006.01); **B41M 5/00** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **C09D 7/12** (2006.01); **C09D 133/14** (2006.01); **C09D 133/24** (2006.01); **C09D 201/08** (2006.01)

CPC (source: EP KR US)

B41M 5/52 (2013.01 - KR); **B41M 5/5218** (2013.01 - KR); **B41M 5/5245** (2013.01 - EP KR US); **B41M 5/5254** (2013.01 - EP US); **Y10T 428/31507** (2015.04 - EP US); **Y10T 428/31515** (2015.04 - EP US); **Y10T 428/31779** (2015.04 - EP US); **Y10T 428/31786** (2015.04 - EP US); **Y10T 428/31855** (2015.04 - EP US); **Y10T 428/31884** (2015.04 - EP US); **Y10T 428/31928** (2015.04 - EP US); **Y10T 428/31942** (2015.04 - EP US); **Y10T 428/31953** (2015.04 - EP US); **Y10T 428/31971** (2015.04 - EP US)

Citation (search report)

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- [A] US 4830911 A 19890516 - KOJIMA YUTAKA [JP], et al

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL PT

DOCDB simple family (publication)

EP 0870623 A1 19981014; **EP 0870623 B1 20010103**; AT E198448 T1 20010115; DE 19715187 A1 19981015; DE 19715187 C2 20000629; DE 59800412 D1 20010208; DK 0870623 T3 20010409; ES 2154918 T3 20010416; JP H1134485 A 19990209; KR 19980081115 A 19981125; PT 870623 E 20010629; US 6136448 A 20001024

DOCDB simple family (application)

EP 98105981 A 19980401; AT 98105981 T 19980401; DE 19715187 A 19970411; DE 59800412 T 19980401; DK 98105981 T 19980401; ES 98105981 T 19980401; JP 10141498 A 19980413; KR 19980012020 A 19980406; PT 98105981 T 19980401; US 5485398 A 19980403