

Title (en)

Multilayered inkjet recording element comprising pigments

Title (de)

Pigmenthaltiges mehrschichtiges Aufzeichnungsmaterial für den Tintenstrahldruck

Title (fr)

Élément multicouche comprenant des pigments pour l'enregistrement par jet d'encre

Publication

**EP 1306225 A3 20040818 (DE)**

Application

**EP 02023567 A 20021023**

Priority

DE 10153274 A 20011029

Abstract (en)

[origin: EP1306225A2] New pigment containing a multilayer recording material for ink-jet printers, a lower color sensitive layer comprises, e.g.: <??>(1) silica pigment; <??>(2) a silicic acid layer; <??>(3) one of optionally water soluble cationic polymer color fixing agent, and an upper color sensitive layer, which comprises, e.g.: <??>(1) a pyrogenic Al oxide pigment; and <??>(2) a water soluble plasticizer. <??>New pigment containing a multilayer recording material for ink-jet printers, a lower color sensitive layer comprises: <??>(1) silica pigment; <??>(2) a silicic acid layer; <??>(3) plasticizers; and <??>(4) one of optionally water soluble cationic polymer color fixing agent, and an upper color sensitive layer, which comprises: <??>(1) a pyrogenic Al oxide pigment; <??>(2) a water soluble plasticizer; <??>(3) a mixture of optionally water soluble cationic polymer color fixing agent; and <??>(4) a color stabilizer. <??>An Independent claim is also included for a process for preparation of the recording material involving: preparation of solutions for the color sensitive layers, deposition on support material, and drying.

IPC 1-7

**B41M 5/00**

IPC 8 full level

**B41M 5/52** (2006.01); **B41M 5/00** (2006.01)

CPC (source: EP)

**B41M 5/502** (2013.01); **B41M 5/52** (2013.01); **B41M 5/5218** (2013.01)

Citation (search report)

- [A] EP 1002657 A1 20000524 - ASAHI GLASS CO LTD [JP], et al
- [A] EP 1075961 A2 20010214 - FELIX SCHOELLER TECHNICAL PAPE [US]
- [A] EP 1016543 A1 20000705 - CANON KK [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1306225 A2 20030502**; **EP 1306225 A3 20040818**; DE 10153274 A1 20030508; NO 20025178 D0 20021028; NO 20025178 L 20030430

DOCDB simple family (application)

**EP 02023567 A 20021023**; DE 10153274 A 20011029; NO 20025178 A 20021028