

Title (en)

Ink jet recording element and printing method

Title (de)

Tintenstrahlaufzeichnungselement und Druckverfahren

Title (fr)

Élément pour impression par jet d'encre et procédé d'impression

Publication

**EP 1288010 A3 20031015 (EN)**

Application

**EP 02078414 A 20020819**

Priority

- US 94454701 A 20010831
- US 94508801 A 20010831

Abstract (en)

[origin: EP1288010A2] A porous inkjet recording element having a support having thereon an image-receiving layer having: (a) inorganic particles having a primary particle size of from 7 to 40 nm in diameter which may be aggregated up to 500 nm; (b) colloidal particles having a mean particle size of from 20 to 500 nm; (c) water-insoluble, cationic, polymeric particles having at least 20 mole percent of a cationic mordant moiety; and (d) inorganic particles encapsulated with an organic polymer having a Tg of less than 100 DEG C.

IPC 1-7

**B41M 5/00**

IPC 8 full level

**B41J 2/01** (2006.01); **B41M 5/00** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01)

CPC (source: EP)

**B41M 5/52** (2013.01); **B41M 5/5218** (2013.01); **B41M 5/5236** (2013.01); **B41M 5/5245** (2013.01); **B41M 5/5254** (2013.01)

Citation (search report)

- [X] EP 0879709 A1 19981125 - OJI PAPER CO [JP]
- [DA] KASAHARA K: "A NEW QUICK-DRYING, HIGH-WATER-RESISTANT GLOSSY INK JET PAPER", PROCEEDINGS. IS&T'S PICS CONFERENCE. ANNUAL CONFERENCE, PROCEEDINGS OF CONFERENCE OF THE SOCIETY FOR IMAGING SCIENCE AND TECHNOLOGY, XX, XX, 1998, pages 150 - 152, XP008020532

Cited by

US7906185B2

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 1288010 A2 20030305**; **EP 1288010 A3 20031015**; **EP 1288010 B1 20051214**; DE 60207948 D1 20060119; DE 60207948 T2 20060817; JP 2003154750 A 20030527; JP 3990238 B2 20071010

DOCDB simple family (application)

**EP 02078414 A 20020819**; DE 60207948 T 20020819; JP 2002255459 A 20020830