

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 1386751 A3 20041020 (EN)**

Application

**EP 03077289 A 20030721**

Priority

- US 20924602 A 20020731
- US 20924802 A 20020731

Abstract (en)

[origin: EP1386751A2] An ink jet recording element including a substrate having thereon: a) a subbing layer of a polymeric binder and a borate or a borate derivative, the borate or borate derivative being present in an amount of from up to 3 g/m<2>, and the weight ratio of the polymeric binder to the borate or borate derivative is from 0.2:1 to 3:1; and b) an image-receiving layer including inorganic particles and a cross-linkable polymer containing hydroxyl groups, the cross-linkable polymer being present in an amount of less than 25 g/m<2>, and the weight ratio of the cross-linkable polymer to the inorganic particles is from 5:95 to 30:70.

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 5/506** (2013.01); **B41M 5/52** (2013.01); **B41M 5/5218** (2013.01)

Citation (search report)

- [X] JP H11291621 A 19991026 - TOKUSHU PAPER MFG CO LTD, et al
- [X] EP 1111452 A2 20010627 - EASTMAN KODAK CO [US]
- [A] EP 0493100 A1 19920701 - SANYO KOKUSAKU PULP CO [JP]

Cited by

CN102985264A; JP2013542093A; CN103189212A; US8470415B2; US8354149B2; WO2006003391A1; WO2012061181A1; WO2012009196A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1386751 A2 20040204**; **EP 1386751 A3 20041020**; **EP 1386751 B1 20110302**; DE 60336194 D1 20110414; JP 2004066815 A 20040304; JP 2009196373 A 20090903; JP 4991793 B2 20120801

DOCDB simple family (application)

**EP 03077289 A 20030721**; DE 60336194 T 20030721; JP 2003202297 A 20030728; JP 2009137650 A 20090608