

Title (en)

Ink jet recording element and printing method

Title (de)

Tintenstrahlaufzeichnungselement und Druckverfahren

Title (fr)

Élément pour l'enregistrement par jet d'encre et méthode pour l'impression

Publication

**EP 1226962 B1 20071128 (EN)**

Application

**EP 02075125 A 20020114**

Priority

- US 77042901 A 20010126
- US 77080701 A 20010126

Abstract (en)

[origin: EP1226962A2] An ink jet recording element comprising a support having thereon in order: I) a porous base layer comprising particles having a primary particle size of from 7 to 40 nm in diameter which may be aggregated up to 300 nm and which are dispersed in a binder; and II) a porous image-receiving layer comprising: (a) particles having a primary particle size of from 7 to 40 nm in diameter which may be aggregated up to 300 nm; and (b) water insoluble, cationic, polymeric particles comprising at least 20 mole percent of a cationic mordant moiety; the thickness of layer I) being between 35 and 50  $\mu\text{m}$  and the thickness of layer II) being between 2 and 6  $\mu\text{m}$  and printing method using same.

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 5/502** (2013.01); **B41M 5/506** (2013.01); **B41M 5/52** (2013.01); **B41M 5/5236** (2013.01); **B41M 5/5245** (2013.01)

Cited by

EP1288012A3; EP1288008A3; US6815020B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1226962 A2 20020731**; **EP 1226962 A3 20040901**; **EP 1226962 B1 20071128**; DE 60223734 D1 20080110; DE 60223734 T2 20081030; JP 2002301863 A 20021015; JP 3964686 B2 20070822

DOCDB simple family (application)

**EP 02075125 A 20020114**; DE 60223734 T 20020114; JP 2002015682 A 20020124