

Title (en)  
Ink jet recording element and printing method

Title (de)  
Tintenstrahlzeichnungselement und Druckverfahren

Title (fr)  
Élément d'enregistrement par jet d'encre et procédé d'impression

Publication  
**EP 1226970 A2 20020731 (EN)**

Application  
**EP 02075169 A 20020116**

Priority  
• US 77081401 A 20010126  
• US 77043301 A 20010126

Abstract (en)  
An ink jet recording element comprising a support having thereon 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. and an ink jet printing method, comprising the steps of: a) providing an ink jet printer that is responsive to digital data signals; b) loading the printer with the ink jet recording element described above; c) loading said printer with an ink jet ink composition; d) printing on said image-receiving laser using said ink jet composition in response to said digital data signals.

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)

Cited by  
CN106274110A; CN106335298A; EP1403340A1; EP1403341A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1226970 A2 20020731**; **EP 1226970 A3 20021211**; **EP 1226970 B1 20040407**; DE 60200328 D1 20040513; DE 60200328 T2 20050504; JP 2002301866 A 20021015; JP 3939990 B2 20070704

DOCDB simple family (application)  
**EP 02075169 A 20020116**; DE 60200328 T 20020116; JP 2002016869 A 20020125