

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 1288012 A2 20030305 (EN)

Application
EP 02078432 A 20020819

Priority
• US 94395201 A 20010831
• US 94455501 A 20010831

Abstract (en)
An ink jet recording element comprising a support having thereon an image-receiving layer having: (a) inorganic particles having a primary particle size of from about 7 to about 40 nm in diameter which may be aggregated up to about 500 nm; (b) colloidal particles having a mean particle size of from about 20 to about 500 nm; and (c) water-insoluble, cationic, polymeric particles having at least about 20 mole percent of a cationic mordant moiety.

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 (applicant)
• EP 1002660 A1 20000524 - KONISHIROKU PHOTO IND [JP]
• US 6089704 A 20000718 - BURNS ELIZABETH G [US], et al
• US 6096469 A 20000801 - ANDERSON MARK T [US], et al
• US 5244861 A 19930914 - CAMPBELL BRUCE C [US], et al
• US 5853965 A 19981229 - HAYDOCK DOUGLAS N [US], et al
• US 5866282 A 19990202 - BOURDELAIS ROBERT P [US], et al
• US 5888643 A 19990330 - AYLWARD PETER T [US], et al
• US 5888714 A 19990330 - BOURDELAIS ROBERT P [US], et al

Cited by
EP2913196A4; AU2003233562B2; US7833591B2; WO2008082475A1; WO03106520A1; US9370936B2; US7906185B2; US8740996B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1288012 A2 20030305; **EP 1288012 A3 20031015**; **EP 1288012 B1 20060322**; DE 60209998 D1 20060511; DE 60209998 T2 20061221; JP 2003145925 A 20030521; JP 4149764 B2 20080917

DOCDB simple family (application)
EP 02078432 A 20020819; DE 60209998 T 20020819; JP 2002248531 A 20020828