Title (en)

Ink jet recording element and printing method

Title (de)

Tintenstrahlaufzeichnungselement und Druckverfahren

Title (fr)

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

Publication

EP 1288011 A3 20031015 (EN)

Application

EP 02078431 A 20020819

Priority

- US 94461801 A 20010831
- US 94461901 A 20010831

Abstract (en)

[origin: EP1288011A2] An ink jet recording element comprising a support having thereon a porous image-receiving layer comprising at least 50% by weight of particles and less than 20% by weight of a binder, the particles comprising a mixture of (a) inorganic particles having a primary particle size of from 7 to 40 nm in diameter which may be aggregated to provide a mean aggregate particle size of up to 500 nm; and (b) colloidal particles having a mean particle size of from 20 to 500 nm; and wherein the difference between the mean aggregate particle size of the (a) inorganic particles and the mean particle size of the (b) colloidal particles is within 10%.

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)

Citation (search report)

- [A] EP 1016542 A1 20000705 - CANON KK [JP]
- [DA] WO 0001539 A1 20000113 - CABOT CORP [US]
- [X] DATABASE WPI Section Ch Week 200026, Derwent World Patents Index; Class G05, AN 2000-297546, XP002251838
- [A] DATABASE WPI Section Ch Week 199431, Derwent World Patents Index; Class G05, AN 1994-252362, XP002251839

Cited by

EP2734379A4; CN103796839A; US8900677B2; EP2734379B1

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 1288011 A2 20030305; **EP 1288011 A3 20031015**; **EP 1288011 B1 20060322**; DE 60209997 D1 20060511; DE 60209997 T2 20061221; JP 2003145927 A 20030521; JP 4149765 B2 20080917

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EP 02078431 A 20020819; DE 60209997 T 20020819; JP 2002248939 A 20020828