

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 1375178 B1 20070411 (EN)

Application

EP 03076862 A 20030616

Priority

- US 18063802 A 20020626
- US 18037302 A 20020626

Abstract (en)

[origin: EP1375178A2] An ink jet recording element comprising a support having thereon an image-receiving layer, the ink jet recording element containing a metal(oxy)hydroxide complex, $M_{<n+>}(O)_a(OH)_b(A_{<p->})_c \cdot xH_2O$, wherein M is at least one metal ion; n is 3 or 4; A is an organic or inorganic ion; p is 1, 2 or 3; and x is equal to or greater than 0; with the proviso that when n is 3, then a, b and c each comprise a rational number as follows: $0 \leq a < 1.5$; $0 < b < 3$; and $0 \leq pc < 3$, so that the charge of the $M_{<3+>}$ metal ion is balanced; and when n is 4, then a, b and c each comprise a rational number as follows: $0 \leq a < 2$; $0 < b < 4$; and $0 \leq pc < 4$, so that the charge of the $M_{<4+>}$ metal ion is balanced.

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 5/5218 (2013.01)

Cited by

WO2005009745A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1375178 A2 20040102; **EP 1375178 A3 20050720**; **EP 1375178 B1 20070411**; DE 60313079 D1 20070524; DE 60313079 T2 20071213; JP 2004025884 A 20040129; JP 4291057 B2 20090708

DOCDB simple family (application)

EP 03076862 A 20030616; DE 60313079 T 20030616; JP 2003182628 A 20030626