

Title (en)

Ink jet recording element and printing method

Title (de)

Tintenstrahlaufzeichnungselement und Druckverfahren

Title (fr)

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

Publication

EP 1375180 A3 20050720 (EN)

Application

EP 03076864 A 20030616

Priority

- US 18075202 A 20020626
- US 18018402 A 20020626

Abstract (en)

[origin: EP1375180A2] An ink jet recording element comprising a support having thereon an image-receiving layer, the ink jet recording element containing finely divided particulate material and 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 1-7

B41M 5/00

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CPC (source: EP)

B41M 5/52 (2013.01); **B41M 5/5218** (2013.01)

Citation (search report)

- [X] EP 0391308 A1 19901010 - CANON KK [JP]
- [X] EP 1112962 A2 20010704 - ASAHI GLASS CO LTD [JP]
- [X] EP 0965460 A2 19991222 - CANON KK [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 153 (M - 1235) 15 April 1992 (1992-04-15)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13 30 November 1998 (1998-11-30)

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