

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 1375177 A2 20040102 (EN)

Application
EP 03076859 A 20030616

Priority
• US 18039502 A 20020626
• US 18017902 A 20020626

Abstract (en)
An ink jet recording element comprising a support having thereon an image-receiving layer, the ink jet recording element containing core/shell particles wherein the shell of the particles consists 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.

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CPC (source: EP)
B41M 5/52 (2013.01); **B41M 5/506** (2013.01); **B41M 5/5218** (2013.01)

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