

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.

IPC 1-7  
**B41M 5/00**

IPC 8 full level  
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CPC (source: EP)  
**B41M 5/52** (2013.01); **B41M 5/506** (2013.01); **B41M 5/5218** (2013.01)

Citation (applicant)  
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