

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 1319516 A2 20030618 (EN)**

Application

**EP 02079873 A 20021122**

Priority

- US 2122701 A 20011212
- US 2076201 A 20011212

Abstract (en)

An ink jet recording element comprising a support having thereon an image-receiving layer comprising non-silicon-containing inorganic oxide particles, the particles having their surfaces treated with a silane coupling agent having a hydrophilic, organic moiety.

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); **B41M 5/5254** (2013.01); **B41M 5/529** (2013.01)

Citation (applicant)

- US 5989687 A 19991123 - LI HUAWEN [US]
- US 5965252 A 19991012 - SANTO TSUYOSHI [JP], et al
- US 5244861 A 19930914 - CAMPBELL BRUCE C [US], et al
- US 5853965 A 19981229 - HAYDOCK DOUGLAS N [US], et al
- US 5866282 A 19990202 - BOURDELAIS ROBERT P [US], et al
- US 5874205 A 19990223 - BOURDELAIS ROBERT P [US], et al
- US 5888643 A 19990330 - AYLWARD PETER T [US], et al
- US 5888714 A 19990330 - BOURDELAIS ROBERT P [US], et al

Cited by

WO2007019033A1; WO2011049583A1

Designated contracting state (EPC)

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