

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 1431051 A2 20040623 (EN)**

Application

**EP 03078824 A 20031204**

Priority

- US 32029302 A 20021216
- US 32020602 A 20021216

Abstract (en)

An ink jet recording element and printing method having a support having thereon an image-receiving layer of a polymeric network formed by a chemical reaction between a wet-strength polymer, amino-functionalized inorganic particles and a hydrophilic polymer other than a wet-strength polymer.

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 5/5236** (2013.01); **B41M 5/5254** (2013.01); **B41M 5/529** (2013.01)

Citation (applicant)

- EP 03739747 A 20030211
- US 5965244 A 19991012 - TANG YUYING [US], et al
- US 6114022 A 20000905 - WARNER ELIZABETH A [US], et al
- US 6140406 A 20001031 - SCHLIESMAN LEONARD J [US], et al
- US 5510004 A 19960423 - ALLEN ANTHONY J [US]
- US 6409334 B1 20020625 - CAMPBELL BRUCE C [US], et al
- US 5244861 A 19930914 - CAMPBELL BRUCE C [US], et al
- US 5853965 A 19981229 - HAYDOCK DOUGLAS N [US], et al

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1431051 A2 20040623**; **EP 1431051 A3 20060315**; **EP 1431051 B1 20090211**; DE 60326117 D1 20090326; JP 2004195980 A 20040715

DOCDB simple family (application)

**EP 03078824 A 20031204**; DE 60326117 T 20031204; JP 2003418359 A 20031216