

Title (en)

Ink jet recording element and printing method

Title (de)

Tintenstrahlaufzeichnungselement und -aufzeichnungsverfahren

Title (fr)

Matériau d'enregistrement pour jet d'encre et procédé d'enregistrement

Publication

EP 1211089 A2 20020605 (EN)

Application

EP 01204419 A 20011119

Priority

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- US 72722700 A 20001130

Abstract (en)

An ink jet recording element comprising a support having thereon in order: a) a hydrophilic, fluid-absorbing layer; and b) an image-receptive layer capable of retaining an ink jet image, said image-receiving layer comprising an open-pore membrane of a mixture of a water-insoluble polymer and a water-absorbent polymer, said mixture containing at least 25% by weight of said water-absorbent polymer; and a method for using same.

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)

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Citation (applicant)

- EP 0940427 A1 19990908 - IMATION CORP [US]
- US 4785313 A 19881115 - HIGUMA MASAHIKO [JP], et al
- US 4832984 A 19890523 - HASEGAWA KENJI [JP], et al
- US 5223338 A 19930629 - MALHOTRA SHADI L [CA]
- US 5354813 A 19941011 - FAROOQ OMAR [US], et al
- US 5403955 A 19950404 - FAROOQ OMAR [US]
- US 4225665 A 19800930 - SCHADT III FRANK L
- US 5198499 A 19930330 - ANDERSON CHARLES C [US], et al

Cited by

EP1388425A1; EP1829699A1; EP1226964A3; US7008676B2; WO2005016655A1

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