

Title (en)
An ink jet recording medium

Title (de)
Tintenstrahlaufzeichnungsmittel

Title (fr)
Milieu d'enregistrement par jet d'encre

Publication
EP 0888902 A1 19990107 (EN)

Application
EP 97202022 A 19970702

Priority

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- CA 2213637 A 19970822
- JP 17834997 A 19970703

Abstract (en)
An ink sorptive coating for ink jet recording media, and ink jet recording media that contain the same, wherein the ink jet recording medium contains a substrate having coated on a surface of the substrate the ink sorptive coating layer. The ink sorptive coating layer contains (1) a polymer or copolymer that comprises a polyalkyl oxazoline monomer unit or a polyphenyl oxazoline monomer unit, or a copolymer that comprises a polyalkyl oxazoline monomer unit and a polyphenyl oxazoline monomer unit, and (2) a hydroxyl group (-OH) containing polymer or copolymer. The ink sorptive coating provides the ink jet media with improved image quality, dry time and a low degree of curl. The ink jet recording medium may further comprise a surface coating layer that is overcoated on said ink sorptive coating layer.

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Citation (search report)

- [XD] US 4956230 A 19900911 - EDWARDS DONALD W [US], et al
- [XD] US 4889765 A 19891226 - WALLACE JOHN L [US]
- [A] EP 0696516 A1 19960214 - ARKWRIGHT INC [US]
- [A] EP 0716929 A1 19960619 - ARKWRIGHT INC [US]
- [A] EP 0484016 A1 19920506 - MINNESOTA MINING & MFG [US]
- [A] EP 0152551 A1 19850828 - DOW CHEMICAL CO [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 274 (M - 725) 29 July 1988 (1988-07-29)

Cited by
EP1072428A1; US6455136B1; US9889695B2; US6403224B1

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