

Title (en)
INK-JET RECORDING SHEETS

Title (de)
TINTENSTRAHLAUFZEICHNUNGSBLÄTTER

Title (fr)
FEUILLES D'IMPRESSION A JET D'ENCRE

Publication
EP 1497139 A1 20050119 (EN)

Application
EP 03725682 A 20030425

Priority
• JP 0305397 W 20030425
• JP 2002124597 A 20020425
• JP 2002165975 A 20020606

Abstract (en)
[origin: WO03091038A1] An ink-jet recording sheet is composed of a base material and at least one ink-receiving layer arranged on at least one side of the base material. The ink-receiving layer comprises a water-soluble resin and/or a water-dispersible resin as a binder, an inorganic pigment, thiourea or a specific derivative thereof, an acrylamide-diallylamine hydrochloride copolymer and/or a polyallylamine acetate, and a boron compound. The inorganic pigment, the thiourea or specific derivative thereof, the acrylamide-diallylamine hydrochloride copolymer and/or polyallylamine acetate and the boron compound satisfy the following equations (1) and (2): $4(B + C + D) \leq A$ Equation (1), and $(B/D):C = 0.1:5$ to $15:0.1$ Equation (2) wherein A, B, C, and D represent weight proportions of the inorganic pigment, the thiourea or specific derivative thereof, the acrylamide-diallylamine hydrochloride copolymer and/or polyallylamine acetate and the boron compound, respectively.

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