

Title (en)  
INK JET RECORDING SHEET.

Title (de)  
TINTENSTRAHL-AUFZEICHNUNGSBLATT.

Title (fr)  
FEUILLE PERMETTANT LA REPRODUCTION PAR JET D'ENCRE

Publication  
**EP 0655346 A4 19960731 (EN)**

Application  
**EP 94914604 A 19940511**

Priority  

- JP 9400761 W 19940511
- JP 11188293 A 19930513
- JP 11943493 A 19930521
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- JP 31193093 A 19931213

Abstract (en)  
[origin: EP0655346A1] This invention provides an ink jet recording sheet having a high ink absorptivity, capable of providing an image of a high density and a good sharpness and recorded dots of a substantially perfect circularity, and having a high water-resistance. A component of an ink receiving layer of this sheet consists mainly of non-spherical cationic colloidal silica, and this ink receiving layer is composed of a layer of coating formed by contour painting a surface of a substrate, in which sheet a total quantity of charge of cations is specified, a polyvinyl amine copolymer-containing substrate being used. Preferably, the non-spherical cationic colloidal silica consists of acicular or columnar cationic colloidal silica.

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**B41M 5/00**

IPC 8 full level  
**B41M 5/52** (2006.01)

CPC (source: EP)  
**B41M 5/5218** (2013.01)

Citation (search report)  

- [X] PATENT ABSTRACTS OF JAPAN vol. 10, no. 77 (M - 464) 26 March 1986 (1986-03-26)
- [X] PATENT ABSTRACTS OF JAPAN vol. 10, no. 77 (M - 464) 26 March 1986 (1986-03-26)
- [X] PATENT ABSTRACTS OF JAPAN vol. 10, no. 138 (M - 480) 21 May 1986 (1986-05-21)
- See references of WO 9426530A1

Cited by  
US6420039B1; EP0826510A1; EP0734881A1; US5753082A; EP1195465A3; EP0759365A1; US5989378A; DE19618607A1; US5911855A; DE19618607C2; DE19505295A1; DE19505295C2; US5798173A; US7255909B2; US6861112B2; US7658980B2; US6942897B2; US6245422B1; US6838137B2; WO03070477A1; WO03078734A1; WO0020221A1; WO2004074574A3; WO9904981A1; US6808776B2; US6846531B2; US6284819B1; US6365264B2; WO03097730A2; EP1195465A2; US7648744B2; FR2813040A1; US6682247B1

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