

Title (en)

Heat-sensitive recording medium.

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial.

Title (fr)

Matériau d'enregistrement thermosensible.

Publication

EP 0465756 A1 19920115 (EN)

Application

EP 91101130 A 19910129

Priority

- JP 18124690 A 19900709
- JP 25626590 A 19900926

Abstract (en)

A heat-sensitive recording medium comprises, on a support, a heat-sensitive recording layer comprising a leuco compound and an organic acid capable of coloring upon contact with the leuco compound, wherein the back of the support is coated with an agent for lowering the electric resistance which comprises a guanidine salt or guanidine derivative salt singly or in combination with cationic polymer having a quaternary ammonium group. The heat-sensitive recording medium has a low electric resistance and therefore, it is free from troubles in feeding or discharging thereof from the recording machine and also from impairment of the thermal head.

IPC 1-7

B41M 5/40

IPC 8 full level

B41M 5/28 (2006.01); **B41M 5/42** (2006.01); **B41M 5/40** (2006.01); **B41M 5/44** (2006.01)

CPC (source: EP)

B41M 5/42 (2013.01); **B41M 5/423** (2013.01); **B41M 5/44** (2013.01)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 50 (M-197)(1195) 26 February 1983, & JP-A-57 199687 (MITSUBISHI SEISHI K.K.) 07 December 1982,
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 183 (M-820)(3531) 28 April 1989, & JP-A-01 11883 (OJI PAPER COMPANY LIMITED) 17 January 1989,
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 154 (M-814)(3502) 14 April 1989, & JP-A-63 315286 (RICOH K.K.) 22 December 1988,
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 218 (M-607)(2665) 15 July 1987, & JP-A-62 33673 (RICOH K.K.) 13 February 1987,
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 215 (M-606)(2662) 11 July 1987, & JP-A-62 32080 (RICOH K.K.) 12 February 1987,

Cited by

US6187955B1; US7186754B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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