

Title (en)
HEAT-SENSITIVE RECORDING MATERIAL

Title (de)
WÄRMEEMPFLINDLICHES AUFZEICHNUNGSMATERIAL

Title (fr)
MATERIAU D'ENREGISTREMENT SENSIBLE A LA CHALEUR

Publication
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Application
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- JP 2001387597 A 20011220
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Abstract (en)
The present invention provides a heat-sensitive recording material having a support, and a heat-sensitive recording layer containing an electron-donating colorless dye and an electron-accepting compound for coloring by reacting with the electron-donating colorless dye on the support. The above-mentioned electron-accepting compound is preferably a compound represented by $R<1>-Ph-SO_2R<2>$. The maximum value of the curl height of the material is preferably 5.0 mm or less. The image density formed by thermal printing by energy application at 15.2 mJ/mm² from the heat-sensitive recording layer side of the support is preferably 1.20 or more. The static friction coefficient and the dynamic friction coefficient of the material are preferably in the range of 0.2 to 0.5 in the case where the outermost surface of the front side having at least one heat-sensitive recording layer and the outermost surface of the rear side are rubbed against each other. The pigment preferably has the boiled linseed oil absorption amount of 30 to 200 ml/ 100g and an volume average particle diameter of 0.5 to 3 μ m, and the heat-sensitive recording material is preferably used for a recording apparatus capable of thermal printing at speed of 10 cm/sec or more.

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