Title (en)
HEAT-SENSITIVE RECORDING MATERIAL

Title (de)
WÄRMEEMPFINDLICHES AUFZEICHNUNGSMATERIAL

Title (fr)
MATÉRIAU D'ENREGISTREMENT THERMOSENSIBLE

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Application
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Abstract (en)
[origin: WO2008006474A1] A description is given of a heat-sensitive recording material comprising: a sheetlike carrier; a thermoreactive layer on at least one side of the sheetlike carrier; and an interlayer, formed between the sheetlike carrier and the respective thermoreactive layer, which comprises hollow-sphere pigments embedded in a binder; and also, if appropriate, comprising top layers and/or further layers. This recording material is characterized in that the hollow-sphere pigments take the form of a composite pigment, with nanoscale pigment particles attached to the surface of an organic hollow-sphere pigment. This material can be produced inexpensively at high operating speed. The interlayers that are proposed in accordance with the invention exhibit optimum insulation capacity. They also have the effect of reducing or preventing the unwanted phenomenon of the text showing through, particularly when the thermoreactive layers are formed on both sides of the sheetlike carrier. The recording material exhibits a high optical density, runs very well in the thermal printer, in particular without depositing on or sticking to the thermal printing head in application, and the thermal print exhibits a homogeneous appearance.

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