

Title (en)

Heat-sensitive recording material, method for its manufacture and application

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial, seine Verwendung und Verfahren zu seiner Herstellung

Title (fr)

Matériel d'enregistrement sensible à la chaleur, son utilisation et son procédé de fabrication

Publication

EP 2505374 B1 20140305 (DE)

Application

EP 11160791 A 20110401

Priority

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Abstract (en)

[origin: EP2505374A1] Recording material comprises a sheet-shaped substrate and a heat-sensitive recording layer as a final outer layer, where the heat-sensitive recording layer is formed from a first coating composition comprising one or more dye precursors, a developer comprising N-(p-toluenesulfonyl)-N'-3-(p-toluenesulfonyl-oxy-phenyl)-urea, a binder and at least two pigments comprising kaolin, silicon (di)oxide, bentonite, talc, calcium carbonate and aluminum hydroxide, preferably boehmite. An independent claim is included for the preparation of the heat-sensitive recording material comprising forming a sheet-like substrate, preparing the first coating composition, applying the first coating composition on the substrate for forming the first heat-sensitive recording layer, drying the first coating composition and rolling up the sheet-like substrate with the formed heat-sensitive recording layer.

IPC 8 full level

B41M 5/333 (2006.01); **B41M 5/337** (2006.01)

CPC (source: EP)

B41M 5/3333 (2013.01); **B41M 5/3377** (2013.01)

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