

Title (en)

Optimized undercoat for thermal recording material

Title (de)

Optimierte Grundierung für Wärmeaufzeichnungsmaterial

Title (fr)

Sous-couche optimisée pour matériau d'enregistrement thermique

Publication

**EP 2722190 B1 20151216 (EN)**

Application

**EP 12306220 A 20121005**

Priority

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Abstract (en)

[origin: EP2722190A1] The present invention relates to a thermal recording material comprising: - a base layer; - one or more undercoat layers which is/are laid down on the base layer, wherein the undercoat layer(s) contain(s) a water-soluble resin and hollow particles; - a thermo-sensitive coloring layer which is laid down on the uppermost undercoat layer, on the opposite side with respect to the base layer; and - one or more protective layers which is/are laid down on the thermo-sensitive coloring layer, on the opposite side with respect to the undercoat layer(s); wherein the water soluble resin is a polyvinyl alcohol with a degree of the polymerisation which is at least 400 and at most 1000, and wherein the ratio by mass of the water-soluble resin in the dried state to the hollow particles in the dried state is at least 50% and at most 200%.

IPC 8 full level

**B41M 5/44** (2006.01); **B41M 5/323** (2006.01); **B41M 5/333** (2006.01)

CPC (source: EP)

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Cited by

EP3858633A4; EP4046813A4; US9604486B2; WO2016027177A1; EP3219506A1; EP3287292A1; US10118427B2

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