

Title (en)

Thermosensitive recording material, its' use and its' method of preparation.

Title (de)

Wärmeempfindliches Aufzeichnungsmaterial, seine Verwendung und Verfahren zu seiner Herstellung

Title (fr)

Matériau pour l'enregistrement par la chaleur, son utilisation et méthode pour sa fabrication

Publication

EP 1527900 B1 20061018 (DE)

Application

EP 04025536 A 20041027

Priority

DE 10350406 A 20031028

Abstract (en)

[origin: EP1527900A1] In recording material with substrate (A) and heat-sensitive layer (B) containing dye precursor(s) (I), N-p-toluenesulfonyl-N'-(3-p-toluenesulfonyloxyphenyl)urea compound (II) as developer for (I) on heating, calcium carbonate (III) and binder (IV), the novel features are that (B) has polar component of surface tension of 5-9.5 mN/m by Owens-Wendt method and ratio of disperse:polar components of (3.5-7.0):1; (III):(IV) ratio is (1.8-3.3):1; and (III) is only pigment in (B). An independent claim is also included for production of this material.

IPC 8 full level

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CPC (source: EP)

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