

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

**B41M 5/30** (2006.01); **B41M 5/333** (2006.01); **B41M 5/337** (2006.01)

CPC (source: EP)

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1527900 A1 20050504**; **EP 1527900 B1 20061018**; AT E342808 T1 20061115; DE 502004001785 D1 20061130; ES 2273142 T3 20070501; PL 1527900 T3 20070228

DOCDB simple family (application)

**EP 04025536 A 20041027**; AT 04025536 T 20041027; DE 502004001785 T 20041027; ES 04025536 T 20041027; PL 04025536 T 20041027