

Title (en)  
THERMAL RECORDING MATERIAL

Title (de)  
WÄRMEAUFZEICHNUNGSMATERIAL

Title (fr)  
MATERIAU D'ENREGISTREMENT THERMIQUE

Publication  
**EP 1504920 B1 20060419 (EN)**

Application  
**EP 02753221 A 20020802**

Priority

- JP 0207912 W 20020802
- JP 2002137905 A 20020514

Abstract (en)  
[origin: EP1504920A1] Disclosed is a heat-sensitive recording material comprising a support and a heat-sensitive recording layer formed on the support and containing a leuco dye, a developer and a binder, wherein the heat-sensitive recording material uses as the developer at least two hydroxy-diphenylsulfone compounds such as 4-hydroxy-4'-isopropoxy-diphenylsulfone, 2,4'-dihydroxy-diphenylsulfone and the like, and uses as the leuco dye a black-color-forming leuco dye such as 3-di(n-butyl)amino-6-methyl-7-anilino-fluoran or the like and 0.5 to 3.5 wt.%, relative to the black-color-forming leuco dye, of a red-color-forming leuco dye such as 3-diethylamino-7-chlorofluoran or the like.

IPC 8 full level  
**B41M 5/30** (2006.01); **B41M 5/327** (2006.01); **B41M 5/333** (2006.01); **B41M 5/40** (2006.01); **B41M 5/42** (2006.01); **B41M 5/44** (2006.01)

CPC (source: EP KR)  
**B41M 5/30** (2013.01 - KR); **B41M 5/3275** (2013.01 - EP); **B41M 5/3336** (2013.01 - EP); **B41M 5/42** (2013.01 - EP); **B41M 5/44** (2013.01 - EP)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1504920 A1 20050209**; **EP 1504920 A4 20050209**; **EP 1504920 B1 20060419**; CN 1292919 C 20070103; CN 1538912 A 20041020; DE 60210824 D1 20060524; DE 60210824 T2 20061130; KR 100609819 B1 20060808; KR 20040044438 A 20040528; WO 03095219 A1 20031120

DOCDB simple family (application)  
**EP 02753221 A 20020802**; CN 02815488 A 20020802; DE 60210824 T 20020802; JP 0207912 W 20020802; KR 20047001422 A 20020802