

Title (en)  
THERMAL RECORDING MATERIAL

Title (de)  
WÄRMEAUFZEICHNUNGSMATERIAL

Title (fr)  
MATERIAU D'ENREGISTREMENT THERMIQUE

Publication  
**EP 1504920 A4 20050209 (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 1-7  
**B41M 5/30**

IPC 8 full level  
**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)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 03095219A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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