

Title (en)
Thermosensitive recording material.

Title (de)
Wärmeempfindliches Aufzeichnungsmaterial.

Title (fr)
Matériau d'enregistrement thermosensible.

Publication
EP 0503856 A1 19920916 (EN)

Application
EP 92301935 A 19920306

Priority

- JP 4469291 A 19910311
- JP 13499991 A 19910606
- JP 15170291 A 19910624

Abstract (en)
A thermosensitive recording material providing a high storage durability for colored images, and a satisfactory whiteness, comprises a thermosensitive colored image-forming layer formed on a sheet substrate and comprising a colorless dye precursor, and a new color developing agent which comprises an aromatic sulfon(thio)amide compound of the formulae (I) and (II): <CHEM> and <CHEM> wherein X and Y are O or S; R1 is an unsubstituted aromatic mono- or poly- cyclic group, or a substituted phenyl group having a lower alkyl, aryl or halogen; R2 is a substituted alkyl group having an aralkyl or aryloxy, unsubstituted aromatic mono- or poly- cyclic group, or a substituted aromatic mono- or poly- cyclic group having an alkyl, alkenyl, aryl, aralkyl, alkyloxy, aryloxy, aralkyloxy, alkylmercapto, arylmercapto, aralkylmercapto, alkyloxycarbonyl, aryloxy-carbonyl, aralkyloxycarbonyl or halogen, and R3 is a substituted phenyl group with a low alkyl, aryl or halogen, unsubstituted aromatic mono- or poly- cyclic group or aliphatic or cycloaliphatic hydrocarbon group.

IPC 1-7
B41M 5/30

IPC 8 full level
B41M 5/333 (2006.01)

CPC (source: EP)
B41M 5/3333 (2013.01)

Citation (search report)

- [X] US 4531139 A 19850723 - SEITZ MICHAEL E A [US]
- [A] EP 0104353 A2 19840404 - HODOGAYA CHEMICAL CO LTD [JP]
- [A] GB 2062664 A 19810528 - CIBA GEIGY AG
- [A] CHEMICAL ABSTRACTS, vol. 107, no. 14, 5 October 1987, Columbus, Ohio, US; abstract no. 124649R, STANDARD REGISTER COMPANY: 'COLOUR DEVELOPER FOR PRESSURE- OR HEAT-SENSITIVE RECORDING PAPER' page 597 ;column 1 ;
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 18 (M-353)(1741) 25 January 1985 & JP-A-59 165 678 (NIPPON KAYAKU K.K.) 18 September 1984

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DE FR GB

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