

Title (en)
THERMAL RECORDING MATERIAL

Title (de)
THERMISCHES AUFZEICHNUNGSMATERIAL

Title (fr)
MATERIAU POUR THERMOGRAVURE

Publication
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Application
EP 00921079 A 20000427

Priority

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- JP 19176199 A 19990706
- JP 28967499 A 19991012

Abstract (en)
This invention relates to a thermal recording material with outstanding color-developing sensitivity and storage stability of images. The thermal recording material comprising a support and a thermosensitive color-developing layer provided thereon comprising a leuco dye which is colorless or light-colored at normal temperature, an organic acid substance which reacts upon heating with the leuco dye to develop color and a sensitizer. Said thermosensitive color-developing layer comprises at least one kind of diphenyl sulfone derivative selected from 4-hydroxydiphenyl sulfone derivatives represented by the following general formula (1) or general formula (2), 4,4'-dihydroxydiphenyl sulfone and 2,4'-dihydroxydiphenyl sulfone as an organic acid substance and a 4-acylbiphenyl as a sensitizer. <CHEM> (wherein R1 is an alkyl, aralkyl or aryl group) <CHEM> (wherein Y is a divalent organic group and n is an integer in the range 0-6)

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Cited by
EP2181853A4; US8673812B2; US8466085B2; US8492308B2; US8609582B2; WO2006001814A1; US8247347B2; US8871678B2; US8283284B2

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