

Title (en)

Thermographic recording material with improved image tone

Title (de)

Thermographisches Aufzeichnungsmaterial mit verbessertem Bildton

Title (fr)

Matériau thermographique d'enregistrement avec ton de l'image amélioré

Publication

**EP 1211093 A1 20020605 (EN)**

Application

**EP 01000630 A 20011114**

Priority

- EP 01000630 A 20011114
- EP 00204255 A 20001130

Abstract (en)

A substantially light-insensitive black and white thermographic recording material comprising a support and a thermosensitive element exclusive of bisphenol compounds, 4-substituted isoxazole compounds of the formula <CHEM> wherein R represents an aromatic group or an electron withdrawing group, organic compounds represented by R<3>-H, the corresponding radical of which, R<3>•, has a stability of from 350 to 6000 times that of a primary alkyl radical, and photosensitive active-hydrogen aromatic organic reducing agents, the thermosensitive element containing at least one substantially light-insensitive organic silver salt, an organic reducing agent therefor in thermal working relationship therewith, an image tone stabilizer and a binder, characterized in that the image tone stabilizer is a sterically hindered monophenol; a recording process therefor; and the use of a sterically hindered monophenol in a substantially light-insensitive thermographic recording material as an image tone stabilizer.

IPC 1-7

**B41M 5/32**; **B41M 5/30**

IPC 8 full level

**B41M 5/337** (2006.01); **G03C 1/498** (2006.01); **B41M 5/30** (2006.01)

CPC (source: EP)

**B41M 5/3375** (2013.01); **G03C 1/49845** (2013.01); **G03C 1/4989** (2013.01); **B41M 5/30** (2013.01)

Citation (search report)

- [X] WO 9711407 A1 19970327 - IMATION CORP [US]
- [X] WO 9734196 A1 19970918 - IMATION CORP [US]
- [X] US 3218166 A 19651116 - REITTER JOHN L
- [X] US 3547648 A 19701215 - SAGAWA BURT K
- [A] GB 1410991 A 19751022 - AGFA GEVAERT
- [A] US 4013473 A 19770322 - WILLEMS JOZEF FRANS, et al

Cited by

EP1388753A1; WO2007010777A1; EP1953592A1; EP1557669B1

Designated contracting state (EPC)

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