

Title (en)

Novel reducing agents for use in thermographic recording materials

Title (de)

Neue Reduktionsmittel zur Verwendung in thermographischen Aufzeichnungsmaterialien

Title (fr)

Nouveaux agents réducteurs pour l'utilisation en matériaux d'enregistrements thermographiques

Publication

EP 0978760 A1 20000209 (EN)

Application

EP 99202007 A 19990623

Priority

- EP 99202007 A 19990623
- EP 98202688 A 19980807

Abstract (en)

A substantially light-insensitive black and white monosheet thermographic recording material comprising a support and a thermosensitive element containing a substantially light-insensitive organic silver salt, a 1,2-dihydroxyphenyl-compound in thermal working relationship therewith and a binder, characterized in that the 1,2-dihydroxyphenyl-compound is represented by formula (I): <CHEM> where n is 0 or 1; R is $-(C=O)R_{<1>}$, $-(C=O)NR_{<1>}R_{<2>}$, $-CN$, $-SO_3R_{<2>}$, $-SO_2R_{<2>}$, $-SOR_{<2>}$, $-SO_2NR_{<2>}R_{<3>}$ or $-PO_3R_{<2>}R_{<3>}$; $R_{<1>}$ is H or a substituted or unsubstituted alkyl group with 12 or less carbon atoms; and $R_{<2>}$ and $R_{<3>}$ are independently H or an alkyl, a substituted alkyl, an aryl or a substituted aryl group; and $R_{<1>}$ and $R_{<2>}$ together can provide the atoms to close a carbocyclic or heterocyclic ring; and $R_{<2>}$ and $R_{<3>}$ together can represent the atoms to close a carbocyclic or heterocyclic ring; and a recording process therefor.

IPC 1-7

G03C 1/498

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP)

G03C 1/49827 (2013.01); **G03C 1/4989** (2013.01); **G03C 2200/45** (2013.01)

Citation (search report)

- [DX] EP 0248405 A2 19871209 - JUJO PAPER CO LTD [JP]
- [A] EP 0692733 A2 19960117 - AGFA GEVAERT NV [BE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 097, no. 010 31 October 1997 (1997-10-31) & JP H09142029 A 19970603 - JUJO PAPER CO LTD

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EP1245403A1; EP1245404A1; US6759367B2; US6798439B2; US6774084B2

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