

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 1158355 A1 20011128 (EN)

Application

EP 01000177 A 20010522

Priority

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- EP 00201851 A 20000525
- EP 00203167 A 20000913

Abstract (en)

A substantially light-insensitive thermographic recording material comprising a support and a thermosensitive element, the thermosensitive element containing silver behenate including phase I silver behenate having an X-ray diffraction spectrum upon irradiation with a copper K alpha 1 X-ray source with Bragg angles 2 THETA of 4.53 DEG , 5.96-6.05 DEG , 7.46-7.56 DEG , 8.90-9.12 DEG , 10.45-10.66 DEG , 12.02-12.12 DEG , 13.53-13.62 DEG , a reducing agent therefor in thermal working relationship therewith and a binder, wherein the thermographic recording material is capable upon thermal development of containing 1% of phase II silver behenate, having an X-ray diffraction spectrum upon irradiation with a copper K alpha 1 X-ray source with Bragg angles 2 THETA of 5.34-5.78 DEG , 6.12-6.41 DEG , 7.68-7.79 DEG , 8.30-8.59 DEG , 9.36-9.84 DEG , 10.6-10.96 DEG , and/or phase III silver behenate phase, having an X-ray diffraction spectrum upon irradiation with a copper K alpha 1 X-ray source with Bragg angles 2 THETA of 4.76-4.81 DEG , 5.9-6.3 DEG , 6.76-7.35 DEG , 8.27-8.44 DEG and 9.06-9.43 DEG , which is stable at 25 DEG C, with respect to the quantity of the phase I silver behenate in the thermographic recording material before said thermal development; a recording process therefor; and use of the above-defined phase II silver behenate stabilized at 25 DEG C and/or the above-defined phase III silver behenate stabilized at 25 DEG C as a tone modifier in thermographic recording materials.

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IPC 8 full level

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CPC (source: EP)

G03C 1/49809 (2013.01); **G03C 1/4989** (2013.01)

Citation (search report)

- [PX] EP 1059560 A1 20001213 - AGFA GEVAERT NV [BE]
- [PX] EP 1004929 A1 20000531 - AGFA GEVAERT NV [BE]
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Citation (examination)

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- EP 0782043 A1 19970702 - AGFA GEVAERT NV [BE]
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- US 5885765 A 19990323 - HORSTEN BARTHOLOMEUS [BE], et al
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Designated contracting state (EPC)

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