

Title (en)

Binders for use in light-insensitive thermographic recording materials

Title (de)

Binder für lichtunempfindliche thermographische Aufzeichnungsmaterialien

Title (fr)

Liants pour matériaux d'enregistrement thermographique non-sensibles à la lumière

Publication

EP 1484642 A1 20041208 (EN)

Application

EP 04102271 A 20040525

Priority

- EP 04102271 A 20040525
- EP 03101660 A 20030606

Abstract (en)

A substantially light-insensitive monosheet thermographic recording material comprising a support and on one side of the support a thermosensitive element, the thermosensitive element comprising at least one substantially light-insensitive silver salt of a carboxylic acid, at least one reducing agent therefor in thermal working relationship therewith and at least one binder, the at least one binder comprising at least one first polymer consisting of vinyl aceto-acetal monomer units and optionally monomer units selected from the group consisting of vinyl alcohol, vinyl acetate and itaconic acid monomer units, characterized in that the weight ratio of the at least one binder to the light-insensitive silver salt(s) of a carboxylic acid in the thermosensitive element is greater than 1.6; and the at least one binder optionally contains less than 40% by weight of a second polymer consisting of vinyl butyral monomer units and optionally vinyl alcohol and/or vinyl acetate monomer units.

IPC 1-7

G03C 1/498

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP)

G03C 1/4989 (2013.01); **G03C 1/04** (2013.01); **G03C 1/49863** (2013.01); **G03C 1/49872** (2013.01); **G03C 2001/7635** (2013.01)

Citation (search report)

- [DY] JP 2001013618 A 20010119 - KONISHIROKU PHOTO IND
- [DY] EP 1143292 A2 20011010 - KONISHIROKU PHOTO IND [JP]
- [DY] EP 1241520 A2 20020918 - KONISHIROKU PHOTO IND [JP]
- [DY] EP 1278101 A2 20030122 - KONISHIROKU PHOTO IND [JP]
- [DY] EP 0752616 A1 19970108 - AGFA GEVAERT NV [BE]
- [DY] EP 0809144 A1 19971126 - AGFA GEVAERT NV [BE]

Cited by

EP1598207A1; US7097961B2

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DE FR GB

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