

Title (en)

Recording material with improved image tone and/or stability upon thermal development

Title (de)

Aufzeichnungsmaterial mit verbessertem Bildton und/oder verbesserter Lagerfähigkeit nach thermischer Entwicklung

Title (fr)

Produit d'enregistrement ayant un ton de l'image et/ou l'aptitude au stockage amélioré après développement thermique

Publication

EP 0962815 B1 20030115 (EN)

Application

EP 99201712 A 19990525

Priority

- EP 99201712 A 19990525
- EP 98201961 A 19980606

Abstract (en)

[origin: EP0962815A1] A recording material comprising a support and a thermosensitive element comprising silver palmitate, an organic reducing agent therefor in thermal working relationship therewith and a binder, characterized in that the silver palmitate is not associated with mercury and/or lead ions and when the recording material is irradiated with a copper K alpha 1 X-ray source the ratio of the sum of the peak heights of the X-ray diffraction lines attributable to silver palmitate at Bragg angles, 2 THETA , of 4.01 DEG , 6.049 DEG , 8.031 DEG , 10.06 DEG , 12.08 DEG and 14.09 DEG to the sum of the peak heights of the X-ray diffraction lines at Bragg angles, 2 THETA , of 25.60 DEG , 35.16 DEG and 43.40 DEG of NIST standard 1976, rhombohedral Al₂O₃, determined with the same X-ray diffractometer in the same state of adjustment on a sample of the recording material and a sample of the NIST standard 1976 cut to fit a sample holder of the X-ray diffractometer, divided by the square root of the quantity of silver in the recording material, expressed in g per m², is greater than 3.09 m/g<0.5>; and a process for producing particles of substantially light-insensitive organic silver salt comprising silver palmitate with these X-ray characteristics in the substantial absence of organic solvent.

IPC 1-7

G03C 1/498; **C07C 51/41**

IPC 8 full level

G03C 1/498 (2006.01)

CPC (source: EP)

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

Cited by

EP1094362A1; WO0159520A1; US6355408B1; US6465167B2; US6472131B1; US6566045B1; US6803177B2; US7060426B2; US6630293B1

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