

Title (en)

Stabilization of tabular grains by pyrimidine derivatives.

Title (de)

Stabilisierung von tabularen Körnern durch Pyrimidinderivate.

Title (fr)

Stabilisation de grains tabulaires par des dérivés de pyrimidine.

Publication

EP 0465728 A1 19920115 (EN)

Application

EP 90201842 A 19900709

Priority

EP 90201842 A 19900709

Abstract (en)

A photographic element is disclosed containing a silver halide emulsion comprising tabular grains having an average aspect ratio of at least 4:1, which is stabilized by a mercapto-substituted pyrimidine derivative corresponding to the general formula : <CHEM> wherein : R = hydrogen, a saturated or olefinically unsaturated aliphatic group or aryl; Z = the ring members required for completing a condensed benzene, cyclopentene or cyclohexene ring, or a heterocyclic ring selected from the group consisting of pyridine, tetrahydropyridine, pyrimidine, pyrrole, furan, thiophene, oxazole, isoaxazole, imidazole or pyrazole ring; and wherein R or Z contains at least one carboxy or sulfo group. m

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G03C 1/035; **G03C 1/34**

IPC 8 full level

G03C 1/00 (2006.01); **G03C 1/035** (2006.01); **G03C 1/34** (2006.01); **G03C 5/17** (2006.01); **G03C 1/005** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] JOURNAL OF IMAGING SCIENCE vol. 32, no. 4, July/August 1988, pages 160-177, Springfield, VA, US; J.E. MASKASKY: "Epitaxial Selective Site Sensitization of Tabular Grain Emulsions"

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Designated contracting state (EPC)

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