

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

IPC 1-7

**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)

**G03C 1/34** (2013.01); **G03C 5/17** (2013.01); **G03C 1/0051** (2013.01)

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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