

Title (en)

Tabular grain emulsions containing antifoggants and stabilizers.

Title (de)

Emulsionen mit tafelförmigen Körnern, die Antischleiermittel und Stabilisatoren enthalten.

Title (fr)

Emulsions à grains tabulaires contenant des antivoiles et des stabilisants.

Publication

**EP 0617320 A3 19950201 (EN)**

Application

**EP 94104414 A 19940321**

Priority

US 3431793 A 19930322

Abstract (en)

[origin: EP0617320A2] A radiation sensitive emulsion stabilized against changes in sensitivity and fog upon aging is disclosed. The radiation sensitive emulsion contains a silver halide grain population comprising at least 50 mole percent chloride, based on silver, wherein at least 50 percent of the grain population projected area is accounted for by tabular grains (a) bounded by {100} major faces having adjacent edge ratios of less than 10, and (b) each having an aspect ratio of at least 2. The emulsion contains a stabilizer which is (A) a mercapto heterocyclic nitrogen compound containing a mercapto group bonded to a carbon atom which is linked to an adjacent nitrogen atom in a heterocyclic ring system, (B) a quaternary aromatic chalcogenazolium salt wherein the chalcogen is sulfur, selenium or tellurium, (C) a triazole or tetrazole containing an ionizable hydrogen bonded to a nitrogen atom in a heterocyclic ring system, (D) a dichalcogenide compound comprising an -X-X- linkage between carbon atoms wherein each X is divalent sulfur, selenium or tellurium, (E) an organic compound containing a thiosulfonyl group having the formula -SO<sub>2</sub>SM where M is a proton or cation, (F) a mercuric salt, or (G) a quinone compound. Photographic elements, particularly color photographic elements containing this emulsion are also disclosed. <IMAGE>

IPC 1-7

**G03C 1/005**; **G03C 1/34**

IPC 8 full level

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Citation (search report)

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