

Title (en)

Photographic silver bromiodide emulsion and process for its production

Title (de)

Photographische Silberbromiodidemulsion und Verfahren zu deren Herstellung

Title (fr)

Emulsion photographique au bromiodure d'argent et méthode pour sa préparation

Publication

EP 0741318 A1 19961106 (DE)

Application

EP 96106509 A 19960425

Priority

DE 19516351 A 19950504

Abstract (en)

In a photographic AgBrI emulsion contg. a dispersion medium and AgBrI grains, the AgI content of the grains: (a) averages 0.5-9.0 mole%; (b) is at an almost constant max. of 3-25 mole% in a zone extending over at least 10% of the distance between the centre and surface; (c) follows a gradient between this zone and a point near the surface; and (d) is max. 2 mole % at the surface. Also claimed are: (i) a method of producing the emulsion as above; and (ii) a photographic material with Ag halide (AgX) emulsion layer(s), including at least one emulsion as above, and opt. ancillary layer(s) on at least one side of a base.

Abstract (de)

Eine Silberhalogenidemulsion, deren Silberhalogenidkörner aus Silberbromiodid bestehen, maximal 9 Mol-% Iodid enthalten, einen AgBr- oder AgBrI-Kern, einen Bereich maximalen Iodidanteils mit einem Durchmesser von mindestens 10% des Kornradius und einem zur Kornoberfläche hin gradientenförmig abnehmenden Iodidanteil aufweisen, kann zu einem photographischen Silberhalogenid-Aufzeichnungsmaterial verarbeitet werden, welches ein verbessertes Empfindlichkeit/Körnigkeitsverhältnis und gute photographische Eigenschaften aufweist und schnell verarbeitbar ist.

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G03C 1/015 (2006.01); **G03C 1/035** (2006.01)

CPC (source: EP)

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- [DY] EP 0581200 A2 19940202 - KONISHIROKU PHOTO IND [JP]
- [DY] EP 0330508 A2 19890830 - KONISHIROKU PHOTO IND [JP]
- [Y] US 3790387 A 19740205 - MUSLINER W

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