

Title (en)

PROCESS FOR PREPARING A PHOTOGRAPHIC EMULSION CONTAINING TABULAR GRAINS EXHIBITING HIGH SPEED

Publication

EP 0263508 B1 19900411 (EN)

Application

EP 87114626 A 19871007

Priority

US 91750586 A 19861010

Abstract (en)

[origin: EP0263508A2] Process for preparing a photographic emulsion containing tabular silver halide grains, which exhibit high speed upon sensitization, having a thickness of about 0.05 to 0.5 μm , average grain volume of about 0.05 to 1.0 μm^3 and mean aspect ratio of greater than 2:1 comprising A. adding silver nitrate to a vessel containing dispersing medium/bromide mixture, initial bromide ion concentration 0.08 to 0.25 N, to form tabular seed grains; B. adding an ammoniacal base solution, to achieve 0.002 to 0.2 normal of the base (e.g., after at least 2% of total silver nitrate has been added); and C. adding additional silver nitrate and halide, i.e., Br^- or BrI^- , by balanced double jet procedure. The emulsions are used in photographic elements for x-ray, graphic arts, etc. a

IPC 1-7

G03C 1/005

IPC 8 full level

C01G 5/02 (2006.01); **G03C 1/005** (2006.01); **G03C 1/015** (2006.01); **G03C 1/035** (2006.01)

CPC (source: EP)

G03C 1/0051 (2013.01)

Cited by

EP0610597A1; EP0391560A1; US5984543A; EP0547568A1; US5374513A; EP0566076A3; EP0749038A1; EP0843209A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0263508 A2 19880413; **EP 0263508 A3 19880803**; **EP 0263508 B1 19900411**; AU 586581 B2 19890713; AU 7951287 A 19880414; BR 8705421 A 19880524; CA 1316035 C 19930413; DE 3762292 D1 19900517; DK 529087 A 19880411; DK 529087 D0 19871009; JP S63107814 A 19880512; NO 874224 D0 19871009; NO 874224 L 19880411

DOCDB simple family (application)

EP 87114626 A 19871007; AU 7951287 A 19871009; BR 8705421 A 19871009; CA 548681 A 19871006; DE 3762292 T 19871007; DK 529087 A 19871009; JP 25395587 A 19871009; NO 874224 A 19871009