

Title (en)

Shallow electron trap dopants in silver halide tabular grain emulsions for use in medical diagnostic imaging materials

Title (de)

Silberhalogenidemulsionen mit tafelförmigen Körnern zur Verwendung in diagnostischen medizinischen bilderzeugenden Materialien, die Dotierungsmittel enthalten, welche als flache Elektronenfallen fungieren

Title (fr)

Emulsions photographiques à l'halogénure d'argent avec des grains tabulaires comprenant des dopants capable de piéger des électrons peu profonds utilisable dans des produits pour la reproduction d'images diagnostiques médicales

Publication

EP 1058150 A1 20001206 (EN)

Application

EP 00201598 A 20000503

Priority

- EP 00201598 A 20000503
- EP 99201625 A 19990525

Abstract (en)

A light-sensitive silver halide photographic emulsion has been disclosed, said emulsion comprising a binder and core-shell tabular grains, wherein said core is more rich in silver bromide than said shell, characterized in that said grains contain, in the core thereof representing an amount of precipitated silver halide extending up to less than 50 % of all precipitated silver halide, a ruthenium complex compound as a sole complex compound providing shallow electron traps.

IPC 1-7

G03C 1/005; **G03C 1/035**; **G03C 1/09**

IPC 8 full level

G03C 1/005 (2006.01); **G03C 1/09** (2006.01); **G03C 1/035** (2006.01); **G03C 5/16** (2006.01)

CPC (source: EP)

G03C 1/0051 (2013.01); **G03C 1/09** (2013.01); **G03C 1/035** (2013.01); **G03C 1/08** (2013.01); **G03C 5/16** (2013.01); **G03C 2001/03535** (2013.01)

Citation (search report)

- [A] EP 0743553 A1 19961120 - EASTMAN KODAK CO [US]
- [A] EP 0712033 A1 19960515 - EASTMAN KODAK CO [US]
- [A] US 5132203 A 19920721 - BELL ERIC L [US], et al
- [A] DATABASE WPI Section Ch Week 199405, Derwent World Patents Index; Class E12, AN 1994-037623, XP002121375
- [A] DATABASE WPI Section Ch Week 199544, Derwent World Patents Index; Class G06, AN 1995-341180, XP002121415
- [A] DATABASE WPI Section Ch Week 199511, Derwent World Patents Index; Class G06, AN 1995-078844, XP002121416

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1058150 A1 20001206

DOCDB simple family (application)

EP 00201598 A 20000503