

Title (en)

Photographic material containing silver halide grains doped with hexa-coordinated cyano-complex

Title (de)

Photographisches Material, das mit einem hexakordinierten Cyanocomplex dotierte Silberhalogenidkörner enthält

Title (fr)

Matériau photographique contenant des grains à l'halogénure d'argent dopés au complexe cyano hexacoordiné

Publication

EP 0613044 B1 20010516 (EN)

Application

EP 94102828 A 19940224

Priority

JP 3560593 A 19930224

Abstract (en)

[origin: EP0613044A2] A silver halide photographic material comprises a support and a light-sensitive layer provided thereon. The light-sensitive layer contains silver halide grains dispersed in gelatin. A hexa-coordinated cyano-complex is doped in the silver halide grains. The amount of the complex is in the range of 1×10^{-7} to 5×10^{-3} mole based on 1 mole of silver halide. A localized phase of the complex is present on the surface of the grains. According to the present invention, the silver halide grains are doped in the presence of a compound having a function of inhibiting a reaction of the cyano-complex with gelatin, or the compound having the function is added to the grains after the grains are doped.

IPC 1-7

G03C 1/08; G03C 1/09; G03C 1/035

IPC 8 full level

G03C 1/08 (2006.01); **G03C 1/09** (2006.01); **G03C 1/035** (2006.01); **G03C 1/07** (2006.01)

CPC (source: EP)

G03C 1/08 (2013.01); **G03C 1/09** (2013.01); **G03C 1/035** (2013.01); **G03C 1/07** (2013.01); **G03C 2001/03535** (2013.01); **G03C 2001/0818** (2013.01); **G03C 2001/0827** (2013.01); **G03C 2001/0836** (2013.01); **G03C 2001/0845** (2013.01); **G03C 2001/091** (2013.01); **G03C 2001/093** (2013.01); **G03C 2001/094** (2013.01); **G03C 2200/44** (2013.01)

Cited by

EP1630598A3; US7163784B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0613044 A2 19940831; **EP 0613044 A3 19950726**; **EP 0613044 B1 20010516**; DE 69427203 D1 20010621; DE 69427203 T2 20010906

DOCDB simple family (application)

EP 94102828 A 19940224; DE 69427203 T 19940224