

Title (en)

Silver halide photographic film material exhibiting increased covering power and "colder" blue-black image tone

Title (de)

Photographisches Silberhalogenid-Filmmaterial mit erhöhter Deckkraft und einem "kälteren" blauschwarzen Bildton

Title (fr)

Pellicule photographique à l'halogénure d'argent ayant un pouvoir opacifiant accru et un ton de l'image noir bleuâtre "plus froid"

Publication

**EP 1103847 A1 20010530 (EN)**

Application

**EP 00203916 A 20001107**

Priority

- EP 00203916 A 20001107
- EP 99204010 A 19991126

Abstract (en)

A black-and-white silver halide photographic film material, particularly suitable for use in radiography, has been disclosed, said material comprising a transparent film support having first and second major surfaces coated with a subbing layer, further coated adjacent thereto on one side (for a single-side coated material) or on both sides (for a duplitized material) of said film support and overcoated with a protective antistress layer, a light-sensitive silver halide emulsion layer having chemically and spectrally sensitized  $\alpha$ 111 $\bar{u}$  tabular hexagonal grains, accounting for at least 50 % of the total projective surface of all grains, wherein said film material is coated with a low amount of silver and wherein said protective antistress layer(s) and/or another hydrophilic non-light-sensitive layer comprise(s) a compound according to general formula (I) in an amount of at least 0.5 mmole per mole of coated silver halide, as claimed. A radiographic screen/film combination has also been disclosed, said combination comprising a duplitized film as described herein sandwiched between a pair of supported or self-supporting X-ray intensifying screens emitting radiation in the wavelength range for which said material has been made spectrally sensitive in order to obtain a black-and-white image after exposure of said screen/film combination, followed by processing of the film material.

IPC 1-7

**G03C 1/76**; **G03C 1/005**; **G03C 5/17**

IPC 8 full level

**G03C 1/005** (2006.01); **G03C 1/76** (2006.01); **G03C 5/17** (2006.01); **G03C 1/12** (2006.01); **G03C 1/29** (2006.01); **G03C 1/34** (2006.01); **G03C 1/37** (2006.01); **G03C 1/91** (2006.01)

CPC (source: EP)

**G03C 1/0051** (2013.01); **G03C 1/7614** (2013.01); **G03C 5/17** (2013.01); **G03C 1/005** (2013.01); **G03C 1/122** (2013.01); **G03C 1/29** (2013.01); **G03C 1/346** (2013.01); **G03C 1/37** (2013.01); **G03C 1/91** (2013.01); **G03C 2001/0055** (2013.01); **G03C 2001/7635** (2013.01); **G03C 2007/3025** (2013.01); **G03C 2200/03** (2013.01)

Citation (search report)

- [A] EP 0575262 A2 19931222 - EASTMAN KODAK CO [US]
- [A] US 5700630 A 19971223 - INOUE RIKIO [JP], et al
- [A] EP 0911687 A1 19990428 - AGFA GEVAERT NV [BE]
- [A] US 2848329 A 19580819 - JOHN CHECHAK JONAS, et al

Cited by

US6737228B2; US7129031B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1103847 A1 20010530**; **EP 1103847 B1 20020911**

DOCDB simple family (application)

**EP 00203916 A 20001107**