

## 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

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## Application

**EP 00203916 A 20001107**

## Priority

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- 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.

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## 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

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