

Title (en)

X-ray silver halide photographic material with suitable image tone and surface glare.

Title (de)

Photographisches Silberhalogenidröntgenmaterial mit passenden Bildton und Oberflächenglanz.

Title (fr)

Matériau photographique à l'halogénure d'argent sensible aux rayons X avec tonalité et brillance appropriés.

Publication

**EP 0555897 A1 19930818 (EN)**

Application

**EP 93200139 A 19930120**

Priority

EP 92200420 A 19920214

Abstract (en)

The preparation of X-ray materials, especially suitable for non-destructive testing applications, is described. The emulsion layers of said material are comprising a mixture of chemically ripened cubic silver bromiodide emulsion grains having a diameter of less than 0.30  $\mu\text{m}$  and chemically ripened cubic silver chloride and/or silver chlorobromide and/or silver chlorobromiodide emulsion grains having a diameter less than or at most 30% larger in size than said silver bromiodide grains and being present in an amount of less than 20% by weight referred to the total amount of the coated silver halide crystals. Applying this emulsion mixture into strongly hardened thin coated layers offers the advantage to get a suitable cold blue image tone with a suitable surface glare after development of the exposed material, especially if at least one non-migratory blue colouring agent is added to at least one of the hydrophilic colloid layers coated onto the blue coloured support.

IPC 1-7

**G03C 1/035**; **G03C 1/30**; **G03C 1/83**; **G03C 5/16**

IPC 8 full level

**G03C 1/00** (2006.01); **G03C 1/035** (2006.01); **G03C 1/047** (2006.01); **G03C 1/30** (2006.01); **G03C 1/35** (2006.01); **G03C 1/40** (2006.01); **G03C 1/46** (2006.01); **G03C 1/795** (2006.01); **G03C 1/83** (2006.01); **G03C 5/16** (2006.01)

CPC (source: EP)

**G03C 1/035** (2013.01); **G03C 1/832** (2013.01); **G03C 5/16** (2013.01)

Citation (search report)

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- [Y] EP 0276566 A1 19880803 - EASTMAN KODAK CO [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 43 (P-821)(3391) 31 January 1989 & JP-A-63 239 434 ( FUJI PHOTO FILM COMPANY LTD. ) 5 October 1988
- [Y] PATENT ABSTRACTS OF JAPAN vol. 11, no. 211 (P-594)(2658) 9 July 1987 & JP-A-62 031 846 ( KONISHIROKU PHOTO INDUSTRY COMPANY LTD )
- [Y] DATABASE WPI Section Ch, Week 8007, Derwent Publications Ltd., London, GB; AN 80-11740C & JP-A-55 000 734 (DIAFOIL K.K.)

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