Title (en)

Combination of silver halide photographic material and radiographic intensifying screens.

Title (de)

Kombination von photographischen Silberhalogenidmaterial und radiographischen Verstärkerschirmen.

Title (fr)

Combinaison de matériau photographique à l'halogénure d'argent et d'écrans renforçateurs radiographiques.

Publication

EP 0577027 A1 19940105 (EN)

Application

EP 93110212 A 19930625

Priority

- JP 19343292 A 19920625
- JP 19343392 A 19920625

Abstract (en)

An improved combination for forming a radiographic image comprises an intensifying screen which is high-sensitive and shows high contrast transfer function values and a silver halide photographic material having a specifically defined sensitivity: that is, 0.010-0.035 lux.second of exposure dose is required to obtain an image having a density of 0.5 more than the minimum density on its photosensitive layer: the density is determined by the steps of exposing the photosensitive layer to monochromatic light of which wavelength is the same as the main emission wavelength of the above intensifying screen and of which half width is 15+/-5 nm, developing at 35 DEG C for 25 seconds in the specified developing solution, removing the photosensitive layer on the side reverse to the exposed side and then measuring the density of the remaining photosensitive layer. Another combination based on the analogous concept is also disclosed.

IPC 1-7

G03C 5/17

IPC 8 full level

G03C 5/17 (2006.01); **G21K 4/00** (2006.01)

CPC (source: EP)

G03C 5/17 (2013.01); **G21K 4/00** (2013.01); G03C 2200/58 (2013.01); G21K 2004/04 (2013.01)

Citation (search report)

- [Y] EP 0288038 A1 19881026 - FUJI PHOTO FILM CO LTD [JP]
- [Y] EP 0384753 A2 19900829 - EASTMAN KODAK CO [US]
- [Y] US 5108881 A 19920428 - DICKERSON ROBERT E [US], et al
- [Y] EP 0126644 A2 19841128 - KONISHIROKU PHOTO IND [JP]

Cited by

EP0690342A1; EP0790526A1; CN1085015C; EP0740274A3; EP0692735A1; US5576160A; EP0579016B1

Designated contracting state (EPC)

BE DE FR

DOCDB simple family (publication)

EP 0577027 A1 19940105; **EP 0577027 B1 20000823**; DE 69329262 D1 20000928; DE 69329262 T2 20010405

DOCDB simple family (application)

EP 93110212 A 19930625; DE 69329262 T 19930625