

Title (en)

Radiographic UV/Blue intensifying screen-film combination

Title (de)

Kombination von radiographischen UV/blau Verstärkerschirm und Film

Title (fr)

Combinaison écran renforceur à l'UV/bleu-pellicule radiographique

Publication

EP 0890873 A1 19990113 (EN)

Application

EP 98202000 A 19980612

Priority

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- EP 97202169 A 19970711

Abstract (en)

A radiographic screen/film combination or system has been provided comprising a duplitized film sandwiched between a pair of supporting or self-supporting X-ray intensifying screens, characterized in that i) said pair of supported or self-supporting X-ray intensifying screens essentially consists of luminescent phosphor particles emitting at least 50 % and more preferably at least 80 % of their emitted radiation in the wavelength range shorter than 380 nm, as e.g. a niobium and gadolinium doped, monoclinic M, yttriumtantalate (MYT) phosphor corresponding to formula I $YTaO_4:Gd:Nb$ ii) said film comprises (1111 tabular silver halide grains rich in silver chloride, spectrally sensitive to irradiation in the said wavelength range shorter than 380 nm by the presence of at least one azacyanine dye as a spectral sensitizer.

IPC 1-7

G03C 1/005; **G03C 1/12**; **G03C 5/17**

IPC 8 full level

G03C 1/005 (2006.01); **G03C 1/12** (2006.01); **G03C 5/17** (2006.01)

CPC (source: EP)

G03C 1/0053 (2013.01); **G03C 1/122** (2013.01); **G03C 5/17** (2013.01); **G03C 2200/03** (2013.01)

Citation (search report)

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