

Title (en)

Radiation-sensitive emulsion, silver halide photographic film material and radiographic intensifying screen-film combination

Title (de)

Strahlungsempfindliche Emulsion, lichtempfindlicher photographischer Silberhalogenidfilm und Kombination eines radiographischen Verstärkungsschirms mit einem Film

Title (fr)

Emulsion sensible aux radiation, film photographique à l'halogénure d'argent sensible à la lumière et structure radiographique combinant un film et un écran intensificateur

Publication

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Application

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Priority

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Abstract (en)

A chemically and spectrally-sensitized emulsion has been described, wherein said emulsion comprising (100) cubic silver halide grains with an average edge length of from 0.2 up to 1.5 μm , has been spectrally sensitized by addition at least three trimethine dyes: a main spectral sensitizer added in an amount of at least 85mole% of all spectral sensitizers added, followed by adding a second spectral sensitizer in an amount of not more than 10mole% and a third spectral sensitizer in an amount of at most 5mole%, wherein at least said main spectral sensitizer has two benzoxazole rings in its chemical structure, at least said third spectral sensitizer has two benzimidazole rings in its chemical structure and wherein the said second spectral sensitizer has a structure more sterically hindered than the structure of the other spectral sensitizers. A light-sensitive silver halide photographic film material coated with such emulsion and a radiographic screen/film combination has been described.

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IPC 8 full level

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Citation (search report)

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