

Title (en)

Light-sensitive elements for radiographic use and process for the formation of an X-ray image.

Title (de)

Lichtempfindliche Elemente zur radiographischen Verwendung und Verfahren zur Herstellung eines X-Strahlungsbildes.

Title (fr)

Éléments sensibles à la lumière pour usage radiographique et procédé de formation d'une image de rayons X.

Publication

EP 0345483 B1 19941228 (EN)

Application

EP 89108559 A 19890512

Priority

IT 2090388 A 19880609

Abstract (en)

[origin: EP0345483A2] A light-sensitive silver halide element for radiographic use with X-ray intensifying screens comprising coated on at least one side of a transparent support base at least a spectrally sensitized silver halide emulsion layer and, between the base and a silver halide emulsion layer, a hydrophilic colloid layer containing substantially light-insensitive silver halide grains on which a spectral sensitizing dye is adsorbed, said dye adsorbed on said grains having the absorption in a region of the electromagnetic spectrum corresponding substantially to the spectral sensitivity of the silver halide emulsion, is characterized by the fact that said silver halide grains are low iodide silver bromoiodide grains having an average grain size in the range of from 0.01 to 0.1 μm adsorbed with said spectral sensitizing dye to form a J-band. The invention allows the use of low coverage weights of silver halide light-sensitive elements and provides X-ray images with a favorable image quality and sensitivity ratio.

IPC 1-7

G03C 1/035; **G03C 1/12**; **G03C 5/16**; **G03C 1/825**

IPC 8 full level

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CPC (source: EP)

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