

Title (en)

SCINTILLATOR INPUT SCREEN FOR AN X-RAY IMAGE INTENSIFIER, AND METHOD OF MANUFACTURING SUCH A SCINTILLATOR

Publication

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Application

EP 86401835 A 19860819

Priority

FR 8512688 A 19850823

Abstract (en)

[origin: US4803366A] The present invention provides an input screen scintillator for a radiological image intensifier tube in which the cesium iodide needles of the scintillator are coated with a refractory, transparent or reflecting, material having an optical index close to or less than that of the cesium iodide. Different methods may be used for coating, such as chemical vapor phase deposition, activated by thermal excitation, plasma excitation or photonic excitation; or such as diffusion deposition of a colloidal solution; or such as polymerization of a polymer resin. After coating, is realized the heat treatment which ensures the luminescence of the screen.

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Citation (examination)

"Handbook of Optics", Mc Graw-Hill Book Comp., (1978)

Cited by

EP0413482A3; DE10116803A1; DE10116803C2; EP0372395A3; US5083017A; EP0352152A1; FR2634562A1; US4985633A; EP0325500A1; FR2625838A1; US4980561A; US5298294A

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