

Title (en)
SOLID-STATE X-RAY DETECTOR

Title (de)
FESTKÖRPER-RÖNTGENSTRAHLUNGSDETEKTOR MIT SZINTILLATOR

Title (fr)
DETECTEUR DE RAYONNEMENT X A L'ETAT SOLIDE COMPORTANT UN SCINTILLATEUR

Publication
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Application
EP 02790545 A 20021025

Priority
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Abstract (en)
[origin: WO03036329A1] The invention concerns a solid-state x-ray detector comprising a photosensitive sensor associated with a radiation converter called scintillator (5), transforming the X-radiation into a radiation to which the sensor (1) is responsive, and an input window (10) traversed by the X-radiation upstream of the scintillator (5). The input window (10) is set on the scintillator (5) without being fixed to the scintillator (5), and a moisture-proof sealing joint (11) fixes the input window (10) and the sensor (1). The scintillator (5) comprises a support (8) and a scintillating substance (7). The support (8) is separate from the sensor (1). Such type of detector is useful in particular in radiology, radiography, fluoroscopy, mammography, but also for non-destructive control.

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G01T 1/20; G01T 1/00

IPC 8 full level
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