

Title (en)

RADIATION DETECTOR WITH INCREASED LIFE SPAN

Title (de)

STRAHLUNGSDETEKTOR MIT VERBESSERTER LEBENSDAUER

Title (fr)

DETECTEUR DE RAYONNEMENT A DUREE DE VIE ACCRUE

Publication

EP 1314051 A2 20030528 (FR)

Application

EP 01956627 A 20010720

Priority

- FR 0102384 W 20010720
- FR 0009634 A 20000721

Abstract (en)

[origin: WO0208788A2] The invention concerns a radiation detector comprising a scintillator (7) produced in a material sensitive to wet oxidation, interposed between a photosensitive sensor (1) and an input window (8, 9, 80) for the radiation. The input window (8, 9, 80) is made of titanium-based material. The invention is in particular applicable to X-ray detectors for radiology or non-destructive control.

IPC 1-7

G01T 1/20

IPC 8 full level

G01T 1/20 (2006.01); **A61B 6/00** (2006.01); **H01L 31/02** (2006.01); **H01L 31/09** (2006.01)

CPC (source: EP KR US)

G01T 1/20 (2013.01 - KR); **G01T 1/20187** (2020.05 - EP KR US); **G01T 1/20189** (2020.05 - EP KR US)

Citation (search report)

See references of WO 0208788A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0208788 A2 20020131; **WO 0208788 A3 20020718**; EP 1314051 A2 20030528; FR 2812089 A1 20020125; FR 2812089 B1 20071130; JP 2004505252 A 20040219; KR 20030015896 A 20030225; US 2003155515 A1 20030821

DOCDB simple family (application)

FR 0102384 W 20010720; EP 01956627 A 20010720; FR 0009634 A 20000721; JP 2002514428 A 20010720; KR 20037000930 A 20030121; US 33336003 A 20030121