

Title (en)

RADIO-TRANSPARENT REAL-TIME DOSIMETER FOR INTERVENTIONAL RADIOLOGICAL PROCEDURES

Title (de)

STRAHLUNGSTRASPARENTER ECHTZEIT-DOSIMETER BEI INTERVENTIONELLEN RÖNTGENAUFNAHMEN

Title (fr)

DOSIMETRE TEMPS REEL RADIO-TRANSPARENT POUR LES PROCEDURES RADIOLOGIQUES INTERVENTIONNELLES

Publication

EP 1581824 A2 20051005 (FR)

Application

EP 04700265 A 20040106

Priority

- FR 2004000005 W 20040106
- FR 0300100 A 20030107

Abstract (en)

[origin: FR2849697A1] The method involves detecting an incident ray at a point of a region to be inspected, with the help of an optical fiber network that generates an optical signal on receiving radiological radiation. The optical signal is measured outside the region to be inspected after transmission along the optical fiber. The radiation dose received by the optical fiber is determined from the luminous signal. An Independent claim is also included for a device for real-time measurement of radiological radiation dose absorbed by a region to be inspected.

IPC 1-7

G01T 5/08

IPC 8 full level

G01T 5/08 (2006.01)

CPC (source: EP US)

G01T 1/201 (2013.01 - EP US)

Citation (search report)

See references of WO 2004070420A2

Cited by

US10962656B2; WO2018158518A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2849697 A1 20040709; FR 2849697 B1 20050318; CA 2512625 A1 20040819; CA 2512625 C 20121002; EP 1581824 A2 20051005; JP 2006517031 A 20060713; US 2006153341 A1 20060713; US 7441955 B2 20081028; WO 2004070420 A2 20040819; WO 2004070420 A3 20041216

DOCDB simple family (application)

FR 0300100 A 20030107; CA 2512625 A 20040106; EP 04700265 A 20040106; FR 2004000005 W 20040106; JP 2006502083 A 20040106; US 54144005 A 20050705