

Title (en)  
RADIOACTIVE EMISSION DETECTOR EQUIPPED WITH A POSITION TRACKING SYSTEM AND UTILIZATION THEREOF WITH MEDICAL SYSTEMS AND IN MEDICAL PROCEDURES

Title (de)  
DETEKTOR FÜR RADIOAKTIVE STRAHLUNG MIT POSITIONSÜBERWACHUNGSSYSTEM UND VERWENDUNG DAVON MIT MEDIZINISCHEN SYSTEMEN UND IN MEDIZINISCHEN VERFAHREN

Title (fr)  
DETECTEUR D'EMISSION RADIOACTIVE EQUIPE D'UN SYSTEME DETECTEUR DE POSITION ET UTILISATION DUDIT DETECTEUR D'EMISSION DANS DES SYSTEMES MEDICAUX ET PROCEDURES MEDICALES

Publication  
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Application  
**EP 01951883 A 20010711**

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• IL 0100638 W 20010711  
• US 64197300 A 20000821  
• US 71416400 A 20001117  
• US 72746400 A 20001204  
• US 28604401 P 20010425

Abstract (en)  
[origin: WO0216965A2] A system for calculating a position of a radioactivity emitting source in a system-of-coordinates, the system comprising (a) a radioactive emission detector; (b) a position tracking system being connected to and/or communicating with the radioactive emission detector; and (c) a data processor being designed and configured for receiving data inputs from the position tracking system and from the radioactive emission detector and for calculating the position of the radioactivity emitting source in the system-of-coordinates.  
[origin: WO0216965A2] System (20) includes a radioactivity emission detector (22). System (20) according to the present invention further includes a position tracking system (24). System (24) is connected to and/or communicating with radioactive emission detector (22) in a two- or three-dimensional space defined by a system of co-ordinates.

IPC 8 full level  
**A61B 5/05** (2006.01); **G01T 1/161** (2006.01); **A61B 5/11** (2006.01); **A61B 6/00** (2006.01); **A61B 6/12** (2006.01); **A61B 19/00** (2006.01); **A61K 51/00** (2006.01); **A61P 9/10** (2006.01); **A61P 35/00** (2006.01); **G01T 1/29** (2006.01); **A61B 5/055** (2006.01); **A61B 6/03** (2006.01)

IPC 8 main group level  
**G01T** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
• [X] US 5519221 A 19960521 - WEINBERG IRVING [US]  
• [X] EP 0697193 A2 19960221 - PICKER INT INC [US]  
• [XY] US 5961457 A 19991005 - RAYLMAN RAYMOND R [US], et al  
• [E] WO 0189384 A2 20011129 - WISCONSIN ALUMNI RES FOUND [US], et al  
• [XY] EP 0543626 A1 19930526 - GEN ELECTRIC [US]  
• [YA] STODDART H A ET AL: "New multidimensional reconstructions for the 12-detector, scanned focal point, single-photon tomograph", PHYSICS IN MEDICINE AND BIOLOGY, TAYLOR AND FRANCIS LTD. LONDON, GB, vol. 37, no. 3, 1 March 1992 (1992-03-01), pages 579 - 586, XP020021960, ISSN: 0031-9155

Citation (examination)  
• US 5821541 A 19981013 - TUEMER TUEMAY O [US]  
• CARTER N J ET AL: "A one-hour walk-in service for wrist trauma imaging", NUCLEAR MEDICINE COMMUNICATIONS, vol. 20, no. 12, December 1999 (1999-12-01), pages 1161 - 1164, XP008121135, ISSN: 0143-3636  
• See also references of WO 0216965A2

Cited by  
US10893842B2; US11364004B2; US11712213B2; US11896414B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**WO 0216965 A2 20020228; WO 0216965 A3 20030206;** AU 7272701 A 20020304; CN 1325933 C 20070711; CN 1469720 A 20040121; EP 1326531 A2 20030716; EP 1326531 A4 20081210; IL 154323 A0 20030917; JP 2004512502 A 20040422

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