

Title (en)

APPARATUS AND METHOD FOR LIGHT CONTROL IN AN IN-VIVO IMAGING DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR LICHTSTEUERUNG EINER IN-VIVO BILDGEBUNGSVORRICHTUNG

Title (fr)

DISPOSITIF ET PROCEDE DE COMMANDE DE LUMIERE DANS UN DISPOSITIF D IMAGERIE IN VIVO

Publication

EP 1610669 A1 20060104 (EN)

Application

EP 04722624 A 20040323

Priority

- IL 2004000265 W 20040323
- IL 15504603 A 20030323

Abstract (en)

[origin: WO2004082472A1] A device and method for operating an in vivo imaging device (10A) wherein the illumination produced by the device may be varied in intensity and/or duration, and/or the gain level or other parameters may be varied, according to, for example, the amount of illumination produced by the device which is reflected back to the device. In addition, a method is provided for detecting problematic pixels in an imaging device. This method may define and exclude non-functional pixels, based on for example an initial short exposure that enables a threshold saturation level to be reached only for problematic pixels. Moreover, a method is described for determining when an in vivo device enters the body, for example by calculating the progress of a dark frame, based on the light saturation threshold of the dark frame.

IPC 1-7

A61B 1/06

IPC 8 full level

A61B 1/05 (2006.01); **A61B 1/06** (2006.01); **A61B 5/00** (2006.01)

CPC (source: EP)

A61B 1/0607 (2013.01); **A61B 1/0655** (2022.02); **A61B 1/0684** (2013.01); **A61B 5/14539** (2013.01); **A61B 1/041** (2013.01); **A61B 5/01** (2013.01)

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004082472 A1 20040930; AU 2004222472 A1 20040930; AU 2004222472 B2 20100722; EP 1610669 A1 20060104; EP 1610669 A4 20090422; IL 155046 A0 20031031; IL 155046 A 20131231; JP 2006524097 A 20061026

DOCDB simple family (application)

IL 2004000265 W 20040323; AU 2004222472 A 20040323; EP 04722624 A 20040323; IL 15504603 A 20030323; JP 2006507587 A 20040323