Title (en)
X-RAY SYSTEM FOR THE CREATION OF DIAGNOSTIC X-RAY IMAGES USING CONTRAST MEDIA

Title (de)
RÖNTGENSYSTEM ZUR ERSTELLUNG DIAGNOSTISCHER RÖNTGENDARSTELLUNGEN UNTER APPLIKATION VON KONTRASTMITTELN

Title (fr)
SYSTEME RADIOGRAPHIQUE DESTINE A LA CREATION DE REPRESENTATIONS RADIOGRAPHIQUES PAR APPLICATION D'AGENTS DE CONTRASTE

Publication
EP 1942805 A2 20080716 (DE)

Application
EP 06807524 A 20061025

Priority
- EP 2006067741 W 20061025
- DE 102005052368 A 20051031

Abstract (en)
[origin: WO2007051739A2] The invention relates to an x-ray system comprising a selecting means for finding the best combination between the contrast medium and the energy spectrum of an x-radiation used for a scan so as to optimize the noise-to-contrast ratio, a method for creating X-ray images with the aid of contrast media by taking into account an optimal combination between the contrast medium and the energy spectrum of an X-radiation used for a scan, and the use of a lanthanide-containing complex for producing a contrast medium used for optimizing the combination between the contrast medium and the radiation in order to obtain a maximum contrast-to-noise ratio in an X-ray image.

IPC 8 full level
A61B 6/00 (2006.01); **A61B 5/107** (2006.01); **A61B 6/03** (2006.01); **A61B 6/06** (2006.01); **A61K 49/00** (2006.01)

CPC (source: EP US)
A61B 6/481 (2013.01 - EP US); **A61B 6/482** (2013.01 - EP US); **A61B 6/488** (2013.01 - EP US); **A61B 6/504** (2013.01 - EP US); **A61B 6/542** (2013.01 - EP US); **A61B 6/545** (2013.01 - EP US); **A61K 49/04** (2013.01 - EP US); A61B 5/1075 (2013.01 - EP US); A61B 6/032 (2013.01 - EP US); A61B 6/06 (2013.01 - EP US); A61B 6/4014 (2013.01 - EP US); A61B 6/4035 (2013.01 - EP US); A61B 6/4241 (2013.01 - EP US); A61B 6/4266 (2013.01 - EP US); A61B 6/4441 (2013.01 - EP US); A61B 6/583 (2013.01 - EP US)

Citation (search report)
See references of WO 2007051739A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007051739 A2 20070510; **WO 2007051739 A3 20070621**; DE 102005052368 A1 20070516; DE 102005052368 B4 20150730; EP 1942805 A2 20080716; US 2008310582 A1 20081218; US 7695193 B2 20100413

DOCDB simple family (application)
EP 2006067741 W 20061025; DE 102005052368 A 20051031; EP 06807524 A 20061025; US 8425906 A 20061025