

Title (en)

METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR MULTIPLEXING COMPUTED TOMOGRAPHY

Title (de)

VERFAHREN, SYSTEME UND COMPUTERPROGRAMMPRODUKTE FÜR DIE RECHNERGESTÜTZTE MULTIPLEX-TOMOGRAPHIE

Title (fr)

METHODES, SYSTEMES, ET PROGRAMMES INFORMATIQUES DE TOMODENSITOMETRIE MULTIPLEXEE

Publication

EP 1941264 A2 20080709 (EN)

Application

EP 06815214 A 20060922

Priority

- US 2006037046 W 20060922
- US 72017605 P 20050923

Abstract (en)

[origin: WO2007038306A2] Methods, systems, and computer program products for multiplexing computed tomography are disclosed. According to one aspect, the subject matter described herein can include illuminating an object with a plurality of x-ray beams from a plurality of viewing angles, wherein each x-ray beam has a distinct waveform; detecting the x-ray intensities of the plurality of pulsed x-ray beams as a function of time, and extracting individual projection image data from the detected x-ray intensities based on the distinct waveforms of the x-ray beams for combining the projection image data to generate three-dimensional tomographic image data of the object.

IPC 8 full level

G01N 23/04 (2006.01)

CPC (source: EP)

A61B 6/032 (2013.01); **A61B 6/4028** (2013.01); **A61B 6/466** (2013.01); **A61B 6/482** (2013.01); **G01N 23/046** (2013.01); **A61B 6/025** (2013.01); **G01N 2223/419** (2013.01); **G01N 2223/612** (2013.01)

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 2007038306 A2 20070405; **WO 2007038306 A3 20071025**; CN 101313214 A 20081126; CN 101313214 B 20130306; EP 1941264 A2 20080709; EP 1941264 A4 20111123; JP 2009509580 A 20090312

DOCDB simple family (application)

US 2006037046 W 20060922; CN 200680043786 A 20060922; EP 06815214 A 20060922; JP 2008532428 A 20060922