

Title (en)

SYSTEMS AND METHODS FOR CONTROLLING MOTION OF DETECTORS HAVING MOVING DETECTOR HEADS

Title (de)

SYSTEME UND VERFAHREN ZUR STEUERUNG DER BEWEGUNG VON DETEKTOREN MIT BEWEGLICHEN DETEKTORKÖPFEN

Title (fr)

SYSTÈMES ET PROCÉDÉS DE COMMANDE DU MOUVEMENT DE DÉTECTEURS AYANT DES TÊTES DE DÉTECTEURS MOBILES

Publication

**EP 3086713 A1 20161102 (EN)**

Application

**EP 14799020 A 20140928**

Priority

- US 201314140052 A 20131224
- IL 2014050848 W 20140928

Abstract (en)

[origin: WO2015097690A1] An imaging system is provided including a gantry, a detector unit mounted to the gantry, at least one processing unit, and a controller. The at least one processing unit is configured to obtain object information corresponding to an object, and to automatically determine at least one first portion of the object and at least one second portion of the object. The controller is configured to control a rotational movement of the detector unit. The detector unit is rotatable at a sweep rate over a range of view of the object to be imaged, and the controller is configured to rotate the detector unit at an uneven sweep rate. The uneven sweep rate varies during the rotation from the, wherein a larger amount of scanning information is obtained for the at least one first portion than for the at least one second portion.

IPC 8 full level

**A61B 6/03** (2006.01); **A61B 6/00** (2006.01); **G01T 1/161** (2006.01); **G01T 1/163** (2006.01); **G01T 1/29** (2006.01); **H01L 27/146** (2006.01)

CPC (source: CN EP IL US)

**A61B 6/037** (2013.01 - CN EP IL US); **A61B 6/0407** (2013.01 - IL); **A61B 6/06** (2013.01 - CN IL US); **A61B 6/4258** (2013.01 - EP IL US); **A61B 6/4266** (2013.01 - CN IL US); **A61B 6/4275** (2013.01 - EP IL); **A61B 6/4291** (2013.01 - EP IL); **A61B 6/4429** (2013.01 - CN EP IL); **A61B 6/488** (2013.01 - EP IL); **A61B 6/54** (2013.01 - CN IL US); **A61B 6/544** (2013.01 - IL US); **A61B 6/545** (2013.01 - IL US); **G01T 1/1648** (2013.01 - EP IL); **A61B 6/0407** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015097690 A1 20150702**; CN 106163402 A 20161123; EP 3086713 A1 20161102; IL 246224 A0 20160731; IL 246224 B 20210228; IL 280776 A 20210429; IL 280776 B1 20240601; IL 312914 A 20240701; US 2023190213 A1 20230622

DOCDB simple family (application)

**IL 2014050848 W 20140928**; CN 201480070958 A 20140928; EP 14799020 A 20140928; IL 24622416 A 20160615; IL 28077621 A 20210209; IL 31291424 A 20240516; US 202318168195 A 20230213