

Title (en)

DETERMINING A CONTRAST-AGENT ENHANCEMENT IN THE CONTEXT OF DYNAMIC CONTRAST AGENT MRI

Title (de)

ERMITTLUNG EINER KONTRASTMITTELANREICHERUNG IM RAHMEN DER DYNAMISCHEN KONTRASTMITTEL-MRT

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER UN ENRICHISSEMENT EN AGENT DE CONTRASTE DANS LE CADRE DE LA TOMOGRAPHIE PAR RÉSONANCE MAGNÉTIQUE (MRT) DYNAMIQUE PAR AGENT DE CONTRASTE

Publication

EP 2890994 A1 20150708 (DE)

Application

EP 13766479 A 20130828

Priority

- DE 102012107926 A 20120828
- EP 2013067807 W 20130828

Abstract (en)

[origin: WO2014033163A1] The present invention relates to a device and a method for determining a value of a relative contrast-agent enhancement in the context of dynamic contrast agent MRI (e.g. DCE-MRI, DSC-MRI), said value being assigned to a time subsegment of a second time segment, on the basis of data of a subset of data from a first data record and on the basis of data of a subset of data from a second data record, where the first data record comprises data of a multidimensional k-space of a magnetic resonance recording recorded without the influence of a contrast agent and was recorded in a first time segment, wherein the second data record comprises data of a multidimensional k-space of a magnetic resonance recording recorded with the influence of a contrast agent and was recorded in the second time segment, which is different from the first time segment, wherein the data of the subset of data from the second data record are assigned to the time subsegment of the second time segment and the data of the subset of data from the first data record are assigned to substantially the same region in the k-space as the data of the subset of data from the second data record.

IPC 8 full level

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CPC (source: EP US)

A61B 5/055 (2013.01 - US); **G01R 33/4818** (2013.01 - US); **G01R 33/5601** (2013.01 - EP US); **G01R 33/56366** (2013.01 - EP US)

Citation (search report)

See references of WO 2014033163A1

Citation (examination)

US 5881728 A 19990316 - MISTRETTA CHARLES A [US], et al

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Designated extension state (EPC)

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