

Title (en)

TECHNIQUES, SYSTEMS AND MACHINE READABLE PROGRAMS FOR MAGNETIC RESONANCE

Title (de)

VERFAHREN, SYSTEME UND MASCHINENLESBARE PROGRAMME FÜR MAGNETRESONANZ

Title (fr)

TECHNIQUES, SYSTÈMES ET PROGRAMMES LISIBLES PAR MACHINE POUR EXAMEN PAR RÉSONANCE MAGNÉTIQUE

Publication

EP 2867657 A4 20160511 (EN)

Application

EP 13813129 A 20130702

Priority

- US 201261667283 P 20120702
- US 201261706102 P 20120926
- US 201261706106 P 20120926
- US 201261706100 P 20120926
- US 201261733415 P 20121204
- US 201313844446 A 20130315
- US 2013049014 W 20130702

Abstract (en)

[origin: WO2014008226A1] The present disclosure provides various methods and systems for performing magnetic resonance studies. In accordance with many embodiments, image or other information of interest is derived from super radiant pulses.

IPC 8 full level

G01N 24/08 (2006.01); **G01R 33/46** (2006.01); **G01R 33/48** (2006.01); **G01R 33/36** (2006.01); **G01R 33/485** (2006.01); **G01R 33/563** (2006.01)

CPC (source: EP KR)

G01N 24/08 (2013.01 - KR); **G01R 33/3621** (2013.01 - KR); **G01R 33/4608** (2013.01 - EP); **G01R 33/4616** (2013.01 - KR); **G01R 33/4828** (2013.01 - KR); **G01N 24/08** (2013.01 - EP); **G01R 33/3621** (2013.01 - EP); **G01R 33/4616** (2013.01 - EP); **G01R 33/4828** (2013.01 - EP); **G01R 33/485** (2013.01 - EP); **G01R 33/56308** (2013.01 - EP); **G01R 33/56366** (2013.01 - EP)

Citation (search report)

- [XA] SUSIE Y. HUANG ET AL: "Visualizing feedback-enhanced contrast in magnetic resonance imaging", CONCEPTS IN MAGNETIC RESONANCE PART A, vol. 30A, no. 6, 1 January 2007 (2007-01-01), US, pages 378 - 393, XP055262278, ISSN: 1546-6086, DOI: 10.1002/cmr.a.20099
- [XA] SUSIE Y HUANG ET AL: "Designing feedback-based contrast enhancement for in vivo imaging", MAGNETIC RESONANCE MATERIALS IN PHYSICS, BIOLOGY AND MEDICINE, CHAPMAN AND HALL, LONDON, GB, vol. 19, no. 6, 15 December 2006 (2006-12-15), pages 333 - 346, XP019463157, ISSN: 1352-8661
- [A] JUDITH SCHLAGNITWEIT ET AL: "Non-Linear Signal Detection Improvement by Radiation Damping in Single-Pulse NMR Spectra", CHEMPHYSICHEM - A EUROPEAN JOURNAL OF CHEMICAL PHYSICS & PHYSICAL CHEMISTRY., vol. 13, no. 2, 1 February 2012 (2012-02-01), DE, pages 482 - 487, XP055262280, ISSN: 1439-4235, DOI: 10.1002/cphc.201100724
- [A] KRISHNAN V V ET AL: "Radiation damping in modern NMR experiments: Progress and challenges", PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, PERGAMON PRESS, OXFORD, GB, vol. 68, 15 June 2012 (2012-06-15), pages 41 - 57, XP028972356, ISSN: 0079-6565, DOI: 10.1016/J.PNMRS.2012.06.001
- [A] HSUEH-YING CHEN ET AL: "Spontaneous emission of NMR signals in hyperpolarized proton spin systems", JOURNAL OF MAGNETIC RESONANCE., vol. 208, no. 2, 1 February 2011 (2011-02-01), US, pages 204 - 209, XP055262283, ISSN: 1090-7807, DOI: 10.1016/j.jmr.2010.11.002
- See references of WO 2014008226A1

Cited by

CN112817811A

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

DOCDB simple family (publication)

WO 2014008226 A1 20140109; AU 2013286922 A1 20150129; CA 2878010 A1 20140109; CN 104487830 A 20150401; CN 104487830 B 20180821; EP 2867657 A1 20150506; EP 2867657 A4 20160511; IL 236503 A0 20150226; KR 101887736 B1 20180911; KR 20150037917 A 20150408

DOCDB simple family (application)

US 2013049014 W 20130702; AU 2013286922 A 20130702; CA 2878010 A 20130702; CN 201380039716 A 20130702; EP 13813129 A 20130702; IL 23650314 A 20141228; KR 20157002351 A 20130702