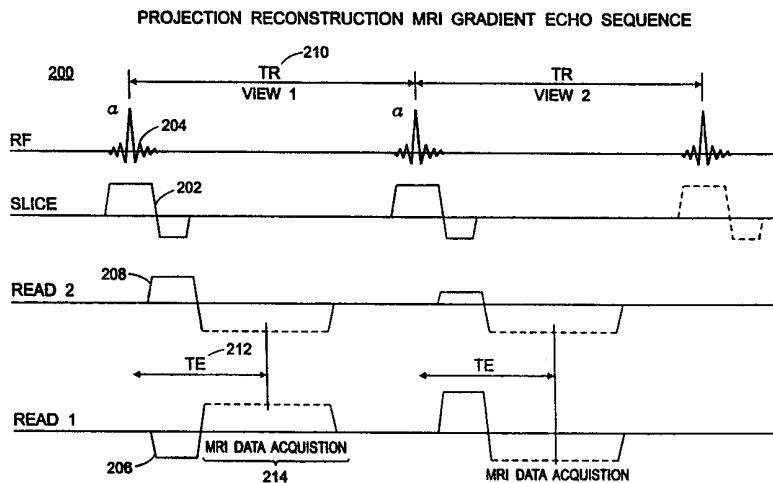




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(54) Title: METHOD FOR CORRECTION OF MRI MOTION ARTIFACTS AND MAIN FIELD FLUCTUATION



(57) Abstract

A method for correcting MRI motion artifacts and main field fluctuations. A series of data prints are acquired at read points along a radial axis to form a view (210). Subsequent views define a NMR data set. A processor stores the NMR data set and reconstructs an image array from a stored NMR data set by: a) reconstructing the NMR data set along a radial axis; b) producing a correction data array including correction values where each of the correction values is calculated as a function of the corresponding stored NMR datum and the stored NMR datum for the intersection of the first and subsequent projection (200) axes; c) applying the data in the correction array to the NMR data set to produce a final NMR data set.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US99/17288

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) G01V / 3/00
 US CL : 324/306,307

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 324/306, 307, 309, 312, 318

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 5,933,006 A (RASCHE et al) 03 August 1999 (03.08.99), column 3, lines 28-53.	1-14
A	US 5,534,777 A (FUDERER et al) 09 July 1996 (09.07.96), see abstract of the disclosure.	1-14
A	US 5,243,284 A (NOLL) 07 September 1993 (07.09.93), see abstract of the disclosure.	1-14

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