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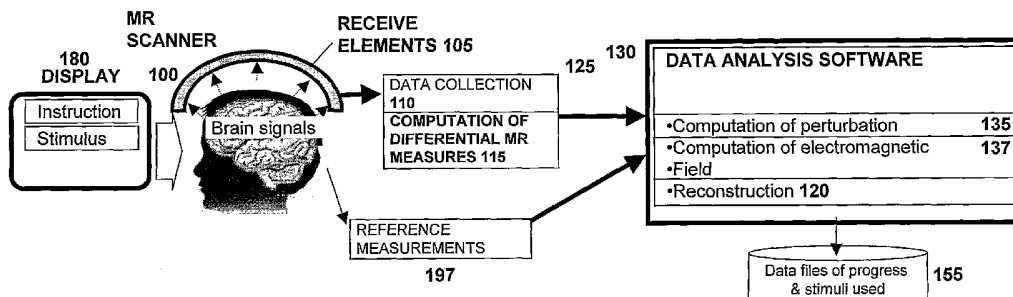
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(54) Title: METHODS FOR MAGNETIC RESONANCE SIGNAL PERTURBATIONS MEASUREMENT



(57) Abstract: The present invention relates to methods, software and systems for monitoring fluctuations in magnetic resonance signals. These methods may be used for measurements of the human brain and nervous system, and may be used for measuring electric currents and electromagnetic fields internal to an object. This method may include the use of a reference signal to accomplish differential recording of electromagnetic fields from two or more spatial locations.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : A61B / 5/05
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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
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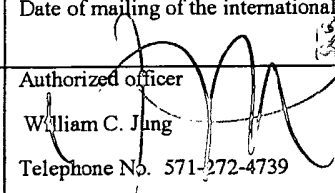
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0055675 A1 (LLINAS et al) 9 May 2002 (09.05.2002), Figure 3, paragraphs [0062] - [0081]	1-20
X, P	US 6,687,525 B2 (LLINAS et al) 3 February 2004 (03.02.2004), column 11, line 51 - column 15, line 30.	1-20
X, P	US 6,597,937 B2 (LIU et al) 22 July 2003 (22.07.2003)	..
A	US 6,289,232 B1 (JAKOB et al) 11 September 2001 (11.09.2001)	

Further documents are listed in the continuation of Box C. See patent family annex.

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