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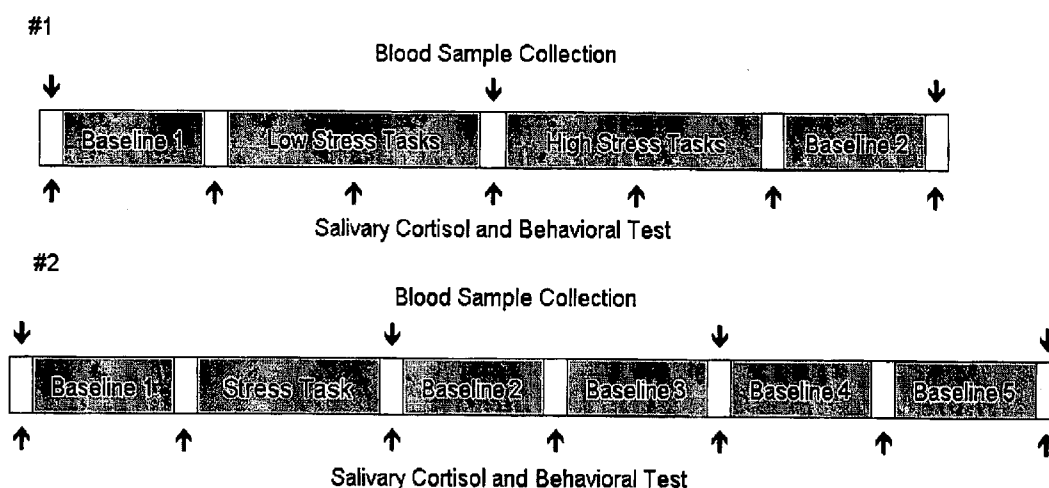
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(57) Abstract: This invention relates to the use of a quantitative functional MRI (fMRI) - arterial spin-labeling perfusion MRI or absolute T2 mapping MRI or a combination thereof in the non-invasive neuroimaging of a subject's brain in response to stress-inducing psychological stimuli, which can be utilized to predict individual stress reactivity as well as to be used as a human model for testing or optimizing psychopharmacological agents.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: A61B 5/05(2006.01),5/055(2006.01) USPC: 600/410;424/9.2 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. : 600/410; 424/9.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 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.
Y,P	US 2007/0086948 A1 (GUPTE et al) 19 April 2007 (19.04.2007), paragraph 0001, paragraph 0006-0008, paragraph 0010, paragraph 0016	1-47
Y,P	US 2005/0283053 A1 (DECHARMS) 22 December 2005 (33.12.2005), entire document.	1-47
A,P	US 2005/0197561 A1 (ELSINGER et al) 08 September 2005 (08.09.2005), paragraph 0004, paragraph 0006-0008	1-47
A	US 5,545,396 (ALBERT et al) 13 August 1996 (13.08.1996), column 17, lines 60-67, column 18, lines 27	1-47
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