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(75) Inventor/Applicant (for US only): **DELIC, Emir** [AU/AU]; 34 B Yarram Street, Lidcombe, New South Wales 2141 (AU).

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(71) Applicant (for all designated States except US): **EMOTIV SYSTEMS PTY LTD** [AU/AU]; Suite 12, Jones

[Continued on next page]

(54) Title: BIOSENSOR NOISE REDUCTION

(57) Abstract: A method of measuring electroencephalograph (EEG) signals of a user includes generating a first signal from a first electrode in contact with the user's scalp, generating a second signal from a second electrode in proximity to the user's head, the second electrode not contacting the user's skin, and subtracting at least a portion of the second signal from the first signal.

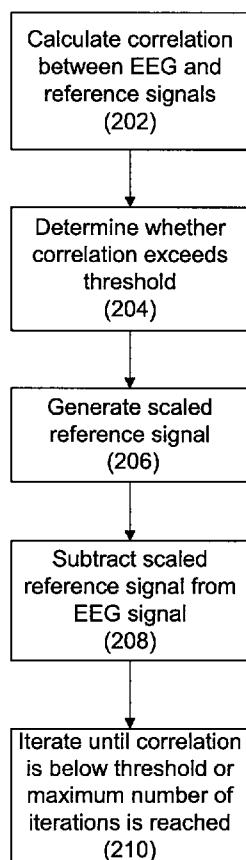


FIGURE 4B



WO 2009/087486 A3



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A. CLASSIFICATION OF SUBJECT MATTER***A61B 5/0476(2006.01)i, A61B 5/0478(2006.01)i***

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)

IPC A61B 5/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models since 1975.

Japanese utility models and applications for utility models since 1975.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal)

Keywords: EEG, noise, reduction

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0106170 A1 (DUNSEATH JR., W. J. R. et al.) 10 May 2007 See paragraphs 134-135, figure 3, and claims 1-4.	1-33
A	US 2005-0277826 A1 (DUNSEATH JR., W. J. R.) 15 December 2005 See abstract, figure 1, and claims 1, 2, 4.	1-33
A	US 2005-0234329 A1 (KRAUS JR., R. H. et al.) 20 October 2005 See paragraphs 27-30, figure 1, and claim 1.	1-33
A	US 2002-0188216 A1 (KAYYALI, H. A. et al.) 12 December 2002 See abstract, figure 3, and claim 28.	1-33



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Authorized officer

KIM, KEON HYEONG

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 2002-0188216 A1	12.12.2002	None	