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10/881,923 30 June 2004 (30.06.2004) US(71) Applicant (for all designated States except US): **NEURAL SIGNALS, INC.** [US/US]; 3688 Clearview Ave., Atlanta, Georgia 30340 (US).

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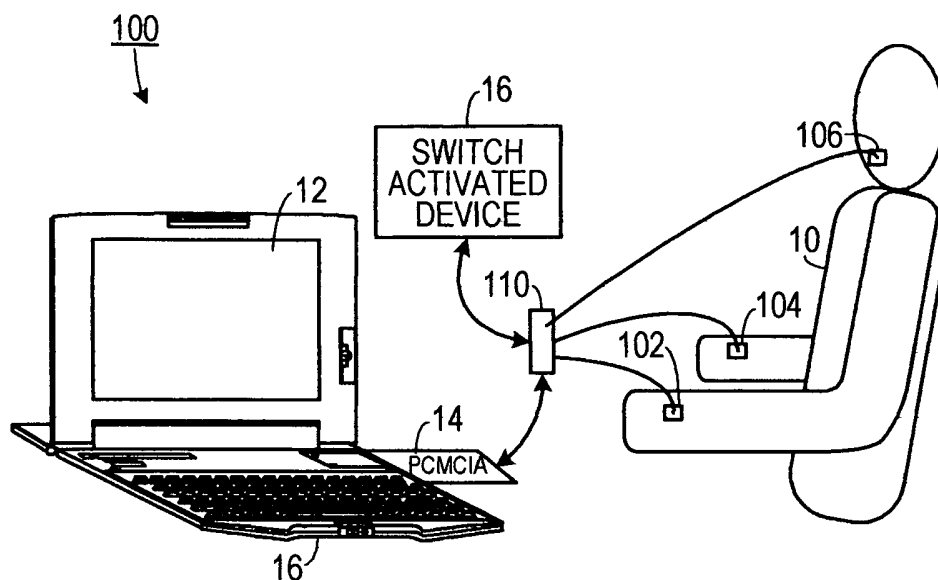
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[Continued on next page]

(54) Title: COMPUTER CONTROLLED ELECTROMYOGRAM CONTROL SYSTEM



(57) Abstract: A system (100) for enabling a user (10) to exert control with bioelectrical impulses via an input from the user includes a first electromyogram interface (102), a computer display (12) and a computer (16). The first electromyogram interface (102) to the user is in communication with a first source of bioelectrical impulses from the user (10). The computer display (12) is capable of displaying a cursor (302). The computer (16) is in communication with the electromyogram interface (102) and the computer display (12), and is programmed to sense a first input from the first electromyogram interface (102), change a first computer control attribute in response to a state change sensed in the first input, and generate a preselected cursor action in response to a change in the first computer control attribute.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 600/546,377,384

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. : 600/546,377,384

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.
X	US 6349231 B1 (MUSHA) 19 February 2002, see column 2, line 48 to column 4 line 53 column 6 lines 14-60 and column 7 lines 12-31	1--4, 7-12, 25-27
A	US 4852573 A (KENNEDY) 01 August 1989	1-35
Y	US 5701894 A (CHERRY et al) 30 December 1997, abstract, column 2	1, 14-15, 29, 31, 33
X	US 5785666 A (COSTELLO et al) 28 Jul 1998, column 2 lines 24-64, column 4 lines 6-67, column 5 lines 6-39	13, 28-34
Y		15, 17-21, 35
X	US 6636763 B1 (JUNKER et al) 21 October 2003 column 4 lines 34-49 column 10 line 4 to column 11 line 3	5,6, 15-16, 10-11, 17- 21
A	US 5957860 (RODIERA OLIVE) 28 September 1999	1-35

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

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