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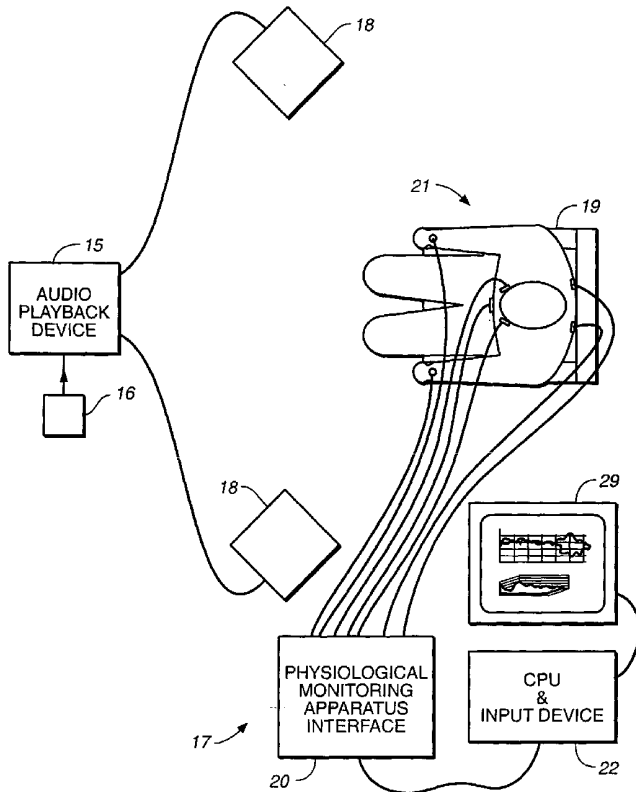
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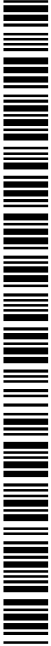
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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR PRODUCT TESTING OR SELECTION



(57) Abstract: A process and apparatus for selecting or designing a product, such as a muffler, having a sound output which is less stressful or more pleasing. The process includes the steps of sensing at least one physiological response of a subject (21) while the subject listens to an initial sound output, repeating the sensing step for the new sound output, comparing the physiological responses, and selecting the sound output for use in selecting or designing the product which output produces the physiological response that is the least stressful or most pleasing to the subject. The apparatus includes an audio playback device (15), a sound recording (16) of the initial sound, a sound recording (16) of the new sound, and physiological monitoring apparatus (17) suitable for attachment to and monitoring of the physiological responses of the test subject (21) to the playback of the sound recordings.



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INTERNATIONAL SEARCH REPORT

International application No.  
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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) :A61M 21/00  
US CL :600/028

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. : 600/26-28, 485, 508, 529, 544-546; 434/236, 238; 705/10; 700/97; 702/19, 33; 703/1, 7-8.

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)  
EAST search conducted.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,243,517 A (Schmidt et al.) 07 September 1993, entire document.	1-21
A	US 4,483,681 A (Weinblatt) 20 November 1984, entire document.	1-21
A	US 4,789,235 A (Borah et al.) 06 December 1988, entire document.	1-21
A	US 5,662,117 A (Bittman) 02 September 1997, entire document.	1-21

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

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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