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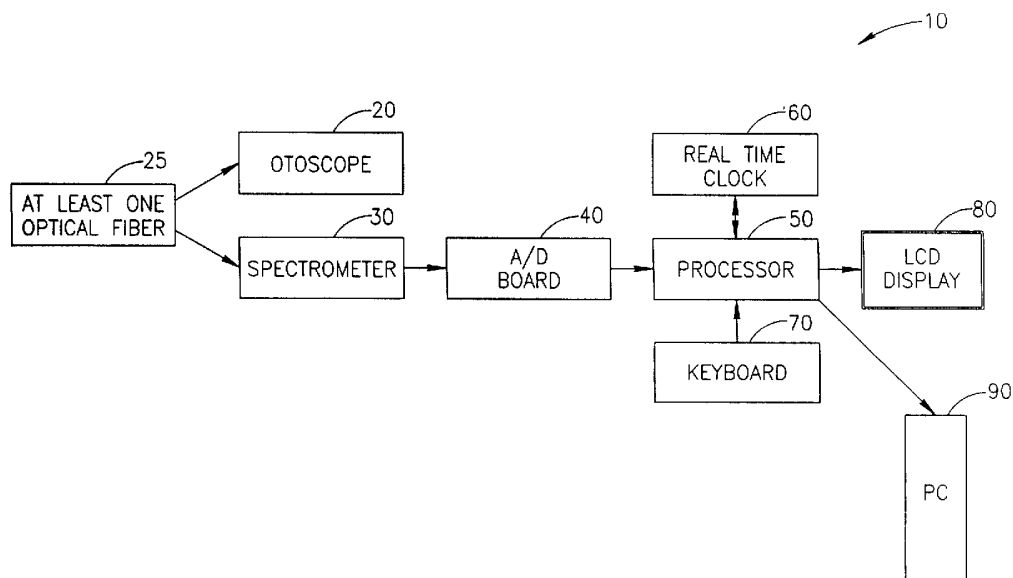
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(54) Title: A DIAGNOSTIC SYSTEM FOR THE EAR



(57) Abstract: The present invention concerns to a system for detecting and diagnosing ear related conditions. The invention provides for a device capable of obtaining a spectrum of reflected light from an ear of a subject and a processing unit in connection with said device, which is capable of translating the obtained spectrum of reflected light to one or more output values related to the condition of the ear. The invention further provides a method for detecting and diagnosing ear related conditions comprising the steps of illuminating inside the ear; inserting a device to the ear canal capable of conveying at least one spectrum of reflected light from the ear to a processing unit (50), and activating said processing unit thereby translating at least one spectrum of reflected light provided at the same time of activating to one or more output values related to the condition of the ear.



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A. CLASSIFICATION OF SUBJECT MATTER

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US CL :600/473

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. : 600/473-475, 200, 549

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 --- Y	US 5,379,764 A (BARNES et al.) 10 January 1995, see figure 1 and col. 5 lines 9-45 and col. 6 line 35 - col. line 25.	1-3, 5-13, 15-22, 25-31, 33-35, 37- 40, 42, 43 ----- 4, 14, 32, 36, 41
Y, E	US 6,319,199 B1 (SHEEHAN et al.) 20 November 2001, see figures 1-7, col. 2 lines 33-64, col. 4 lines 27-65, col. 5 lines 25-55, col. 6 lines 1-59, col. 7 lines 4-18.	14, 32, 36, 41
Y	US 4,882,492 A (SCHLAGER) 21 November 1989, see element (10).	4

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

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