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(54) Title: ELECTRONIC STETHOSCOPE SYSTEM

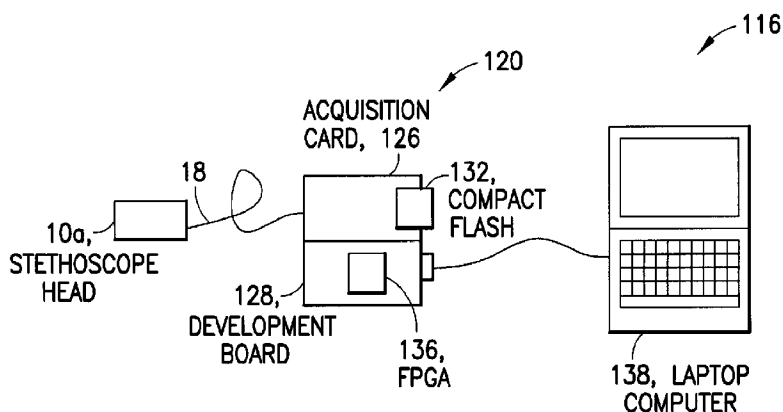


FIG.9

(57) Abstract: An electronic stethoscope head includes a head member having a contact surface for contact with a patient's body, a transducer in the head member, and an adhesive on the contact surface. A processing system for an electronic stethoscope includes a conditioning circuit configured to receive a transducer signal from a transducer and to be capable of amplifying and/or filtering the transducer signal, to yield a conditioned signal. There is also a signal processor system configured to subject the conditioned signal to an audio editing process. Bodily sounds are detected by applying an electronic stethoscope head a patient's body; generating a patient sonograph of the patient's bodily sounds; and comparing the patient sonograph to a reference sonograph. An electronic stethoscope system may include an accessory device and control circuitry to control the accessory device when abnormal bowel sounds are detected or no bowel sounds are detected for a predetermined interval



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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
A61B H04R

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 practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	WO 2004/058054 A2 (SMITH CLIVE [US]) 15 July 2004 (2004-07-15) page 17, line 33 - page 22, line 2 page 40, line 19 - page 43, line 32 figures 1-9,20	1-6
X	US 4 792 145 A (EISENBERG LAWRENCE [US] ET AL) 20 December 1988 (1988-12-20)  column 3, lines 42-20 column 5, line 6 - column 7, line 36 figures 1-4	7,10, 13-15, 17-19

Further documents are listed in the continuation of Box C.

See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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