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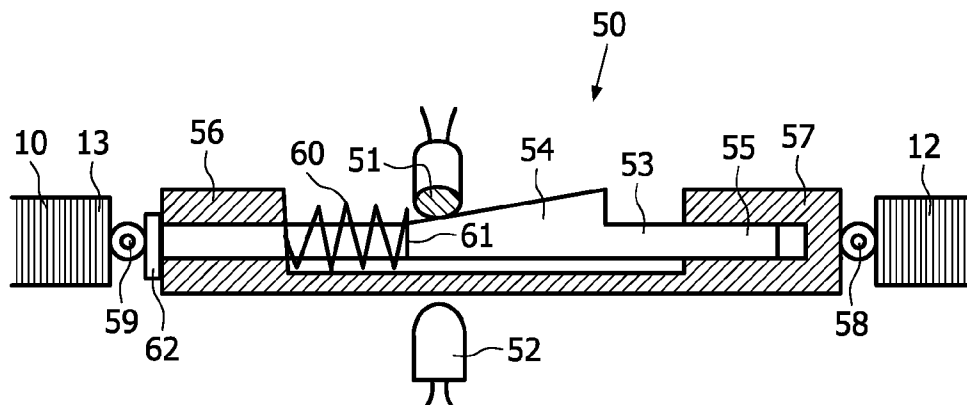
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(54) Title: DEVICE FOR ASSESSING THE PHYSICAL CONDITION OF A PERSON



(57) Abstract: A device for assessing the physical condition of a person comprises a belt (10) to be arranged around the person's chest, a sensor unit (50) for detecting a distance between ends (12, 13) of the belt (10), and a processor unit for processing output provided by the sensor unit (50) during operation of the device. The sensor unit (50) comprises a LED (51) for emitting light, a phototransistor (52) for generating an output signal on the basis of a received amount of light, and a light blocking element (53) having a wedge-shaped light-varying section (54). The LED (51) and the phototransistor (52) are associated with one end (12) of the belt (10), while the light-blocking element (53) is associated with the other end (13) of the belt (10). As a result, when the person inhales and exhales, the amount of light that is received by the phototransistor (52) varies, and an output signal of the phototransistor (52) may be used as a measure of the chest circumference.

WO 2007/069111 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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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)  
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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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 4 664 129 A (HELZEL THOMAS [DE] ET AL) 12 May 1987 (1987-05-12)	1-6,9,11
Y	column 1, line 60 - column 2, line 2  column 2, line 52 - column 3, line 40 column 4, lines 4-19 figures 1-3	7,8,10, 12-15
X	US 5 107 846 A (ATLAS DAN [IL]) 28 April 1992 (1992-04-28)	1-6,9,11
Y	column 2, line 50 - column 4, line 35; figures 1,2	7,8,10, 12-15
Y	US 2005/135039 A1 (KLEMETTI JANNE [FI]) 23 June 2005 (2005-06-23) paragraphs [0021] - [0024]; figures 1,2	7,8,10
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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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Information on patent family members

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