

EXHIBIT 8



(12) **United States Patent**
Goris et al.

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 (45) **Date of Patent:** **Apr. 19, 2016**

(54) **DETECTION AND COMPENSATION METHOD FOR MONITORING THE PLACE OF ACTIVITY ON THE BODY**

(58) **Field of Classification Search**
 CPC A61B 5/065; A61B 5/1118; A61B 5/1123;
 A61B 5/6802; A61B 5/681; A61B 5/7278;
 A61B 2560/0223; A61B 2562/0219
 USPC 600/595; 702/160
 See application file for complete search history.

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Maarten Peter Bodlaender, Eindhoven (NL)

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(73) Assignee: **Koninklijke Philips N.V.**, Eindhoven (NL)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1352 days.

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(21) Appl. No.: **12/097,121**

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 § 371 (c)(1),
 (2), (4) Date: **Jun. 12, 2008**

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 PCT Pub. Date: **Jun. 21, 2007**

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Primary Examiner — Lee S Cohen
Assistant Examiner — Emily Lloyd

(65) **Prior Publication Data**
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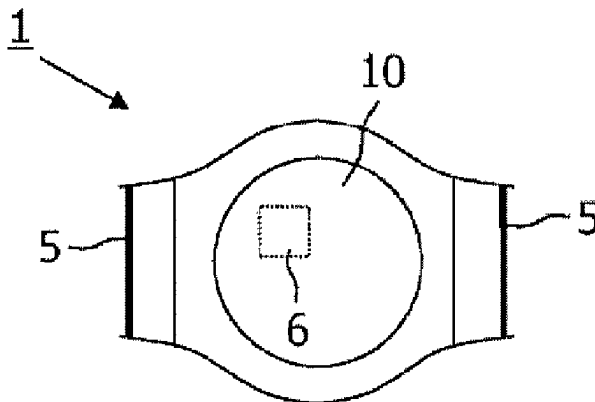
(57) **ABSTRACT**

(30) **Foreign Application Priority Data**
 Dec. 15, 2005 (EP) 05112250

A measuring system comprises a sensor arranged to be attached to a subject for obtaining a measured value representing a physical or a physiological quantity of the subject. The measuring system further comprises a microprocessor for deriving a subject-related value from the measured value. The sensor is arranged to be attached at one of a plurality of positions on the subject. The measuring system further comprises a microprocessor for establishing the position of the sensor on the subject. The microprocessor for deriving the subject-related value is arranged for deriving the subject-related value also in dependence on the position of the sensor on the subject.

(51) **Int. Cl.**
A61B 5/11 (2006.01)
A61B 5/06 (2006.01)
A61B 5/00 (2006.01)
 (52) **U.S. Cl.**
 CPC **A61B 5/1118** (2013.01); **A61B 5/061** (2013.01); **A61B 5/065** (2013.01); **A61B 5/681** (2013.01); **A61B 2560/0223** (2013.01); **A61B 2562/0219** (2013.01)

20 Claims, 5 Drawing Sheets



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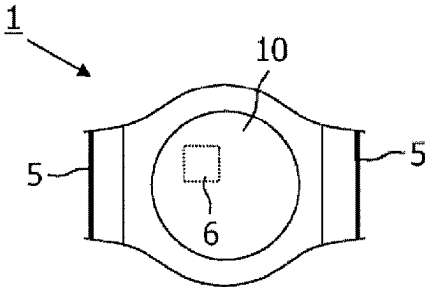


FIG. 1A

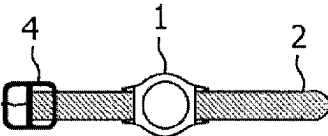


FIG. 1B

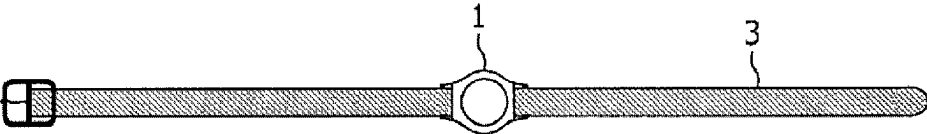


FIG. 1C

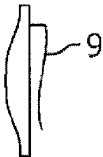


FIG. 1D

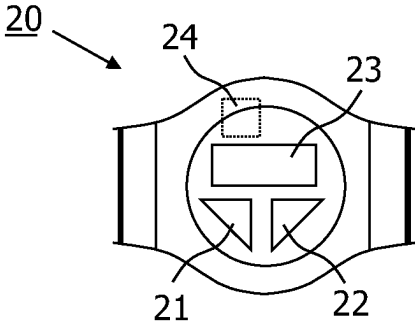


FIG. 2

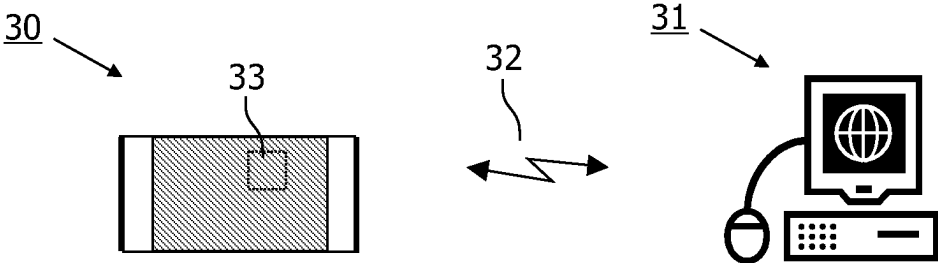


FIG. 3

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