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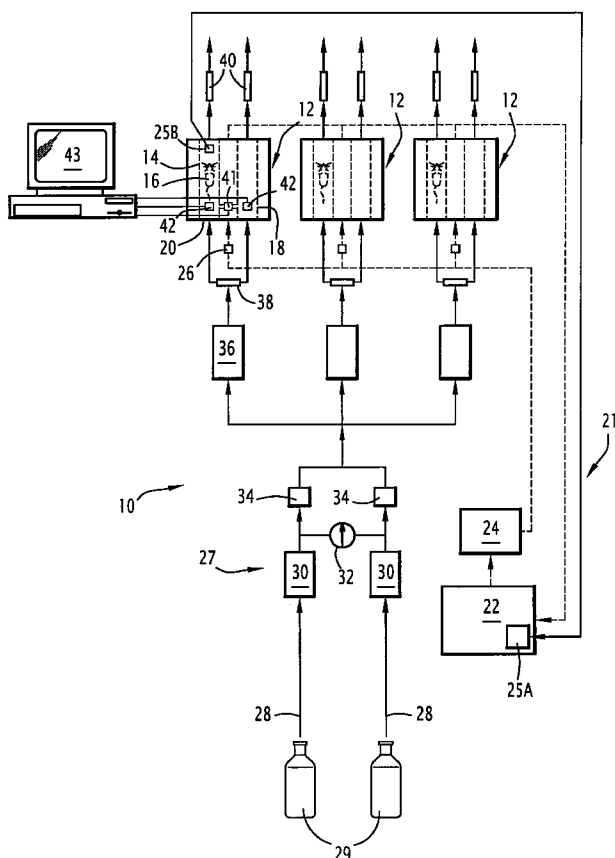
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(54) Title: DEVICE FOR COLLECTING PHYSIOLOGICAL INFORMATION OF AN ANIMAL, AND CORRESPONDING METHOD



(57) Abstract: The device comprises: - a tight test enclosure (14) for receiving the animal (16), - a means (20, 21) for thermally regulating the test enclosure (14), - a means (27) for renewing air in the test enclosure (14) at a controlled flow rate, - a pressure sensor (41) for measuring pressure difference between the air in the test enclosure and a reference, - a means (43) for deducing a volume of air inhaled or expired by the animal during one inhalation or expiration from a pressure measurement of the pressure sensor (41). The test enclosure (14) comprises a floor having at least three dry electrodes, insulated from each other, each electrode being intended for collecting an electrical signal resulting from the cardiac activity of the animal (16) when the animal is in contact with the electrode. The device comprises a means (51) for determining an electrocardiogram of the animal (16) by using three electrical signals collected by the at least three electrodes.



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,  
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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

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A61B A61G

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)

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## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

International application No

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