Title (en)
METHOD AND SYSTEM FOR IDENTIFYING A RESPIRATORY ACTIVITY

Title (de)
VERFAHREN UND SYSTEM ZUR IDENTIFIKATION EINER ATMUNGSAKTIVITÄT

Title (fr)
PROCÉDÉ ET SYSTÈME D'IDENTIFICATION D'UNE ACTIVITÉ RESPIRATOIRE

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Abstract (en)
[origin: WO2015014915A1] One aspect of the invention relates to a method for identifying a respiratory activity of a subject (101) comprising: - the emission, by at least one transmitter (110, 2.1, ..., 2.x), of acoustic waves toward the nose and/or mouth of the subject (101), - the reception, by at least one sensor (111, 3.1, ..., 3.x), of acoustic waves passing through a flow of air exhaled through the nose and/or mouth of the subject (101) and, in response, the generating of a received analogue signal, - the digitisation of the received analogue signal to form a received digital signal, characterised in that the acoustic waves emitted by a same transmitter (110, 2.1, ..., 2.x) are single-frequency, and in that it comprises the following steps: - monitoring the frequency composition of the received signal over time, - identifying an exhalation by the subject: when, over time, a variation is detected in the power of the received signal greater than 1 dB in a predetermined frequency band (38, 37); or by pattern recognition reflecting the frequency composition of the received signal.

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