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(54) Title: APPARATUS AND METHOD FOR BREATHING PATTERN DETERMINATION USING A NON-CONTACT MICROPHONE



(57) Abstract: A method is provided for analyzing respiration of a subject (20). Using a non-contact microphone (22), a raw signal indicative of airflow sounds of the respiration is generated. The raw signal is analyzed to determine a first set of one or more parameters of the respiration. An algorithm is applied to the first set of parameters to derive a second set of one or more estimated parameters of the respiration that are not generally directly measurable in the raw signal. Other embodiments are also described.

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