

Title (en)

NON-INVASIVE METHOD AND DEVICE FOR DETECTING INSPIRATORY EFFORT

Title (de)

NICHTINVASIVES VERFAHREN UND VORRICHTUNG ZUM NACHWEIS VON EINATEMBEMÜHUNGEN

Title (fr)

PROCEDE ET DISPOSITIF NON INVASIF PERMETTANT DE DETECTER UN EFFORT INSPIRATOIRE

Publication

**EP 1729636 A1 20061213 (EN)**

Application

**EP 05730716 A 20050322**

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Abstract (en)

[origin: WO2005096924A1] The present invention discloses the diagnosis and treatment of breathing disorders in sleeping and waking subjects. An electrical device is described which may be used for monitoring and processing of a diaphragmatic electromyogram signal as an indicator of inspiratory effort. Some sleep disorders manifest themselves with an increased inspiratory effort. This invention improves upon the current use of diaphragmatic electromyogram signals in the diagnosis of sleep disorders by effectively eliminating concomitant electrocardiogram signals. The electrical device also comprises a system for monitoring and recording of data by a patient (i.e., at home) such that a breathing disorder may be later diagnosed by a clinician.

IPC 8 full level

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