

Title (en)

METHOD AND APPARATUS FOR THE CONTINUOUS ACQUISITION OF AN ELECTROCARDIOGRAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTINUIERLICHEN ERFASSUNG EINES ELEKTROKARDIOGRAMMS

Title (fr)

PROCÉDÉ ET APPAREIL POUR L'ENREGISTREMENT CONTINU D'UN ÉLECTROCARDIOGRAMME

Publication

EP 3361942 A1 20180822 (EN)

Application

EP 16801305 A 20161013

Priority

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- IB 2016056133 W 20161013

Abstract (en)

[origin: WO2017064643A1] The apparatus for the continuous acquisition of an electrocardiogram includes a band (1) adapted to wrap the chest of a patient and a collecting unit (2) provided in the band (1) for collecting signals corresponding to the heart electrical activity. An amplifier electronic circuit and a plurality of electrodes are provided inside said collecting unit (2), placed in the band (1) in connection with as many terminals (3, 4, 5) touching the skin, adapted to be applied to the patient's chest for detecting the heart electrical activity and connected to said unit for collecting signals (2). In the band (1), the contact terminals (3, 4, 5) include lateral terminals (3, 4) set in alignment therewith, and a central reference terminal (5), not aligned with the lateral terminals (3, 4); the central reference contact terminal (5) is connected to the amplifier electronic circuit at the last stage of the amplifier, in such a way that the difference between the signal detected by the reference electrode, set in connection with the central terminal (5) and the electrical signal detected by the other lateral electrodes set in connection with the lateral terminals (3, 4) reduces substantially the thermal shift to obtain more readable and interpretable ECG traces, thus facilitating the arrhythmologic diagnosis.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017064643A1

Cited by

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