Title (en)

SYSTEM FOR PREDICTING AT LEAST ONE CARDIOLOGICAL DYSFUNCTION IN AN INDIVIDUAL

Title (de)

SYSTEM ZUR PRÄDIKTION WENIGSTENS EINER KARDIOLOGISCHEN DYSFUNKTION EINES INDIVIDUUMS

Title (fr)

SYSTÈME DE PRÉDICTION D'AU MOINS UN DYSFONCTIONNEMENT CARDIAQUE D'UN INDIVIDU

Publication

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Application

EP 20711078 A 20200305

Priority

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Abstract (en)

[origin: WO2020182609A1] The invention relates to a system for predicting at least one cardiological dysfunction in an individual, the system comprising: a means for providing an ECG, which has a number n of time-synchronised ECG tracings, each comprising a chronological order of time signals representing a sinus rhythm of the individual's heartbeat, to which time signals at least one P wave, a QRS complex and a T wave can be assigned in chronological order; a selection means, which selects at least two ECG tracings from the n ECG tracings; an analysis unit, which analyses the selected ECG tracings as follows: a) determination of an iso-electrical signal level, b) determination of a first point in time chronologically before the QRS complex, c) determination of a second point in time chronologically after the first point in time and chronologically before the QRS complex, d) execution of determination steps a) to c) for all selected ECG tracings, e) determination of an earliest first point in time from all the first points in time determined for the selected ECG tracings and a latest second point in time from all the second points in time determined for the selected ECG tracings, f) determination of a time frame delimited by the earliest first point in time and latest second point in time, known as the P wave duration; and a comparator, which generates a signal in the event that the determined P wave duration deviates from a reference value.

IPC 8 full level

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