

Title (en)

METHOD AND APPARATUS FOR DETERMINING HEART RATE VARIABILITY USING WAVELET TRANSFORMATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER HERZFREQUENZVARIATION MITTELS WAVELET-TRANSFORMATION

Title (fr)

PROCÉDÉ ET APPAREIL DE DÉTERMINATION DE LA VARIABILITÉ DE LA FRÉQUENCE CARDIAQUE UTILISANT LA TRANSFORMATION EN ONDELETTES

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Abstract (en)

[origin: WO2010077997A2] The present invention relates to advanced signal processing methods including digital wavelet transformation to analyze heart-related electronic signals and extract features that can accurately identify various states of the cardiovascular system. The invention may be utilized to estimate the extent of blood volume loss, distinguish blood volume loss from physiological activities associated with exercise, and predict the presence and extent of cardiovascular disease in general.

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