ABSTRACT

METHOD AND SYSTEM FOR DETECTING HEARTBEAT IRREGULARITIES

There is a method and system for detecting heartbeat irregularities comprising the steps of receiving a dataset representative of at least one waveform, the at least one waveform indicative of a subject's heart activity over a predetermined period of time; identifying from the data representative of at least one waveform, a plurality of peaks, each peak corresponding to a heartbeat; identifying from the predetermined period of time the time occurrence of each peak; calculating the difference (duration) between the time occurrence of each peak with its adjacent peak; determining the difference between each duration; classifying the absolute value of the difference into one of at least three intermediate categories; wherein each intermediate category comprises a specified range such that the absolute value is categorized into the intermediate category if it falls between the range; the intermediate categories further providing an indication of whether the subject has heartbeat irregularity.

FIGURE. 1