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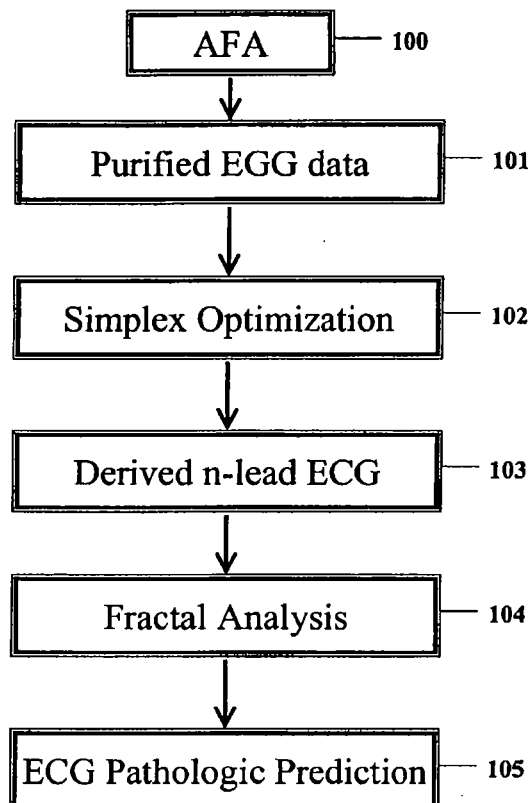
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(54) Title: SYSTEM AND METHOD FOR PREDICTING THE ONSET OF CARDIAC PATHOLOGY USING FRACTAL ANALYSIS



(57) Abstract: The onset of cardiac pathology can be predicted by first acquiring a plurality of lead values as a function of time for set of electrocardiogram leads (103) and defining a spatial curve from the lead values for at least three leads. A fractal index for the spatial curve is calculated as a function of time and the time rate of change of the fractal index is monitored (104). A negative time rate of change is indicative of normal cardiac activity, while a positive time rate of change is indicative of pathological cardiac activity.



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