Title (en)

SYSTEM AND METHOD FOR RECONSTRUCTING CARDIAC ACTIVATION INFORMATION

Title (de)

SYSTEM UND VERFAHREN ZUR REKONSTRUKTION VON HERZAKTIVIERUNGSINFORMATIONEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE RECONSTRUCTION D'INFORMATIONS D'ACTIVATION CARDIAQUE

Publication

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Application

EP 14763969 A 20140314

Priority

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Abstract (en)

[origin: CA2903109A1] An example system and method of reconstructing cardiac activation information are disclosed. An analysis signal and a reference signal are processed to determine whether there is a first point of change in a first selected-order derivative of the analysis signal with respect to a first selected-order derivative of the reference signal above a first threshold. The analysis signal and the reference signal are processed to determine whether there is a second point of change in a second selected-order derivative of the analysis cardiac signal above a second threshold. An activation onset time is assigned in the analysis cardiac signal at a point based on a mathematical association of the first point of change and the second point of change to define cardiac activation indicating a beat in the analysis cardiac signal.

IPC 8 full level

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