

Technology: [System and method for reconstructing cardiac activation information](#)

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Abstract

In a system and method for reconstructing cardiac activation information, an analysis cardiac signal and a reference cardiac signal are processed to determine a first point of change in a derivative of the analysis cardiac signal with respect to a derivative of the reference cardiac signal. The analysis cardiac signal and the reference cardiac signal are processed to determine a second point of change in a different derivative of the analysis cardiac signal with respect to a different derivative of the reference cardiac signal. 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.