Title (en)
SYSTEMS AND METHODS FOR AUTOMATED IMAGE SELECTION IN DOPPLER ULTRASOUND IMAGING SYSTEMS

Title (de)
SYSTEME UND VERFAHREN FÜR DIE AUTOMATISIERTE BILDAUSWAHL IN DOPPLER-ULTRASCHALLSYSTEMEN

Title (fr)
SYSTÈMES ET MÉTHODES POUR LA SÉLECTION AUTOMATISÉE D'IMAGES DANS LES SYSTÈMES D'IMAGERIE DOPPLER À ULTRASONS

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Abstract (en)
[origin: WO2009013686A2] An ultrasound system is disclosed for selecting a diagnostic image from a series of ultrasound images. An image characterization parameter, such as the standard deviation, is calculated for each of a series of Doppler ultrasound images. The image characterization parameters are then analyzed to select an image corresponding to a predetermined point in a patient's cardiac cycle. The selected image is then displayed. In some embodiments, Doppler images are processed to identify an area of interest corresponding to an individual blood vessel. The image characterization parameter is then calculated based on the area of interest. The area of interest may be identified by receiving a user input, such as positioning a cursor at a specific point on an image. In other embodiments, ultrasound images are mapped to points on an ECG waveform and an image is selected based on analysis of the ECG waveform.

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