

Title (en)  
SYSTEM AND METHOD FOR ULTRASOUND HARMONIC IMAGING

Title (de)  
SYSTEM UND VERFAHREN FÜR HARMONISCHE ULTRASCHALLBILDGEBUNG

Title (fr)  
SYSTÈME ET PROCÉDÉ POUR IMAGERIE HARMONIQUE À ULTRASONS

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: WO2008083386A2] A system includes at least one transducer configured to transmit at least one ultrasound pulse into a region of interest (ROI) of a patient. The pulse has at least a first frequency and propagates through a bodily structure in the ROI. The system further includes at least one receiver configured to receive at least one echo signal corresponding to the pulse. The echo signal includes the first frequency and at least one harmonic multiple of the first frequency. The system further includes a processor configured to automatically determine, from the at least one harmonic multiple, at least one boundary of the bodily structure. In an embodiment, the processor is configured to automatically determine, from the at least one harmonic multiple, an amount of fluid within the bodily structure.

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