

Title (en)

SYSTEMS AND METHODS FOR MAKING NONINVASIVE ASSESSMENTS OF CARDIAC TISSUE AND PARAMETERS

Title (de)

SYSTEME UND VERFAHREN ZUR DURCHFÜHRUNG NICHTINVASIVER BEURTEILUNGEN VON HERZGEWEBE UND PARAMETER

Title (fr)

SYSTEMES ET PROCEDES D'EVALUATION NON INVASIVE D'UN TISSU CARDIAQUE, ET PARAMETRES S'Y RAPPORTANT

Publication

**EP 1531725 A4 20090204 (EN)**

Application

**EP 03742372 A 20030701**

Priority

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- US 47580303 P 20030603

Abstract (en)

[origin: WO2004002305A2] Systems and methods for noninvasive assessment of cardiac tissue properties and cardiac parameters using ultrasound techniques are disclosed. Determinations of myocardial tissue stiffness, tension, strain, strain rate, and the like, may be used to assess myocardial contractility, myocardial ischemia and infarction, ventricular filling and atrial pressures, and diastolic functions. Non-invasive systems in which acoustic techniques, such as ultrasound, are employed to acquire data relating to intrinsic tissue displacements are disclosed. Non-invasive systems in which ultrasound techniques are used to acoustically stimulate or palpate target cardiac tissue, or induce a response at a cardiac tissue site that relates to cardiac tissue properties and/or cardiac parameters are also disclosed.

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Citation (search report)

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- See references of WO 2004002305A2

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