

Title (en)
ULTRASOUND IMAGING SYSTEM FOR CALCULATING A COMPRESSION RATIO

Title (de)
ULTRASCHALLDARSTELLUNGSSYSTEM ZUR BERECHNUNG EINES KOMPRESSIONSVERHÄLTNISES

Title (fr)
SYSTEME D'IMAGERIE AUX ULTRASONS POUR CALCULER UN TAUX DE COMPRESSION

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Abstract (en)
[origin: WO2005070298A1] The present invention relates to an ultrasound imaging system for calculating a compression ratio of an object of interest located in an area of the patient body scanned by an ultrasonic probe. The system in accordance with the invention comprises compression means (1) for compressing said area of the patient body, acquisition means (3) for acquiring a first echographic image and a second echographic image of the object of interest before and during compression respectively, measuring means (11) for measuring a first height of said object of interest in said first echographic image and a second height h2 of said object of interest in said second echographic image and computation means for deriving said compression ratio from said first and second heights. Said compression ratio is for instance used for identifying fat lobules in the breast.

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