

Title (en)

3D ULTRASOUND-BASED INSTRUMENT FOR NON-INVASIVE MEASUREMENT OF AMNIOTIC FLUID VOLUME

Title (de)

ULTRASCHALL-BASIERTES 3D-INSTRUMENT ZUR NICHT-INVASIVEN MESSUNG DES FRUCHTWASSERVOLUMENS

Title (fr)

INSTRUMENT A ULTRASON 3D POUR LA MESURE NON INVASIVE DU VOLUME DE LIQUIDE AMNIOTIQUE

Publication

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Application

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- US 42388102 P 20021105
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- US 47052503 P 20030512
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Abstract (en)

[origin: WO2004041094A2] A hand-held 3D ultrasound instrument is disclosed which is used to non-invasively and automatically measure amniotic fluid volume in the uterus requiring a minimum of operator intervention. Using a 2D image-processing algorithm, the instrument gives automatic feedback to the user about where to acquire the 3D image set. The user acquires one or more 3D data sets covering all of the amniotic fluid in the uterus and this data is then processed using an optimized 3D algorithm to output the total amniotic fluid volume corrected for any fetal head brain volume contributions.

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