

Title (en)

A SYSTEM AND METHOD FOR NON-INVASIVE MEASUREMENT OF PRESSURE INSIDE A BODY INCLUDING INTRAVASCULAR BLOOD PRESSURE

Title (de)

SYSTEM UND VERFAHREN ZUR NICHTINVASIVEN MESSUNG DES DRUCKS IM INNEREN EINES KÖRPERS EINSCHLIESSLICH DES INTRAVASKULÄREN BLUTDRUCKS

Title (fr)

SYSTÈME DE MESURE NON INVASIVE DE LA PRESSION ARTÉRIELLE.

Publication

**EP 3478184 A1 20190508 (EN)**

Application

**EP 17749436 A 20170803**

Priority

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Abstract (en)

[origin: WO2018024868A1] A system, device (140) and method for the non-invasive ultrasound or any other imaging based measurement system of the intravascular blood pressure is presented, wherein the blood pressure measurements are performed by means of the image time series processing estimating the volumes of the oscillating traceable regions. The new generalized M-mode being the set of M-modes corresponding to all ultrasound channels is introduced. The invention is applicable to any medium transparent for imaging waves capable to be converted into the image series calibrated to the pressure changes of the liquid.

IPC 8 full level

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