

Title (en)

DEVICE AND METHOD FOR MEASURING IN BODY CAVITIES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUSMESSEN VON KÖRPERHÖHLUNGEN

Title (fr)

DISPOSITIF ET PROCEDE DE MESURE DE CAVITES CORPORELLES

Publication

**EP 1581108 A1 20051005 (EN)**

Application

**EP 03773579 A 20031119**

Priority

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Abstract (en)

[origin: WO2004045404A1] A device comprising a catheter (1) with a lumen, a proximal end (A) and a closed distal end (B) for inserting into the human or animal body cavity. A signal generator (2) generates an excitation signal, and a transmitting transducer (3) transmits a corresponding acoustic signal into the lumen of the catheter. A receiving transducer (5) receives reflections of the acoustic signal from the lumen of the catheter. A low-frequency pressure transducer (42) senses the pressure in the lumen of the catheter and outputs a signal representing low-frequency pressure variations in the lumen. A signal-processing device (4, 6) receives and analyses the output signals from the receiving transducer (5) and the pressure transducer (42). Information can be obtained about the elasticity of the body cavity walls.

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