

Title (en)

PROCESS AND DEVICE FOR OBTAINING 3D ULTRASONIC DATA

Title (de)

VORRICHTUNG UND VERFAHREN ZUR GEWINNUNG VON 3D-ULTRASCHALLDATEN

Title (fr)

DISPOSITIF ET PROCEDE PERMETTANT D'OBTENIR DES DONNEES ULTRASONS 3D

Publication

**EP 1052938 A1 20001122 (DE)**

Application

**EP 98959737 A 19981012**

Priority

- DE 9803051 W 19981012
- DE 19755974 A 19971216

Abstract (en)

[origin: DE19755974A1] A process and device are disclosed for obtaining 3D ultrasonic data, in particular for imaging during neurosurgery interventions in the field of minimally invasive surgery. The device has an ultrasonic transducer (5), a fixing device (4) for locally fixing the ultrasonic transducer (2) relative to a region to be sensed and a connecting strip (3) which links the ultrasonic transducer to the fixing device (4). The connecting strip (3) is joined to an edge of the ultrasonic transducer (2) and encloses a substantially right angle with the plane of the transducer (2). The device makes it possible to obtain ultrasonic data during a minimally invasive intervention.

IPC 1-7

**A61B 8/12**; **A61B 17/32**; **G01N 29/00**; **G01N 29/22**; **G01N 29/26**

IPC 8 full level

**G01N 29/06** (2006.01); **A61B 8/12** (2006.01); **A61B 17/32** (2006.01); **G01S 15/89** (2006.01); **G03B 42/06** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP)

**A61B 8/0808** (2013.01); **A61B 8/12** (2013.01); **A61B 8/445** (2013.01); **G03B 42/06** (2013.01); **A61B 90/10** (2016.02)

Citation (search report)

See references of WO 9930618A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**DE 19755974 A1 19990701**; **DE 19755974 C2 19991028**; EP 1052938 A1 20001122; JP 2002508203 A 20020319; WO 9930618 A1 19990624

DOCDB simple family (application)

**DE 19755974 A 19971216**; DE 9803051 W 19981012; EP 98959737 A 19981012; JP 2000538607 A 19981012