

Title (en)

METHOD FOR DETERMINING SONAR DATA, AND UNDERWATER VEHICLE

Title (de)

VERFAHREN ZUM ERMITTELN VON SONARDATEN UND UNTERWASSERFAHRZEUG

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE DONNÉES DE SONAR ET VÉHICULE SUBMERSIBLE

Publication

**EP 3371621 A1 20180912 (DE)**

Application

**EP 16798385 A 20161005**

Priority

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Abstract (en)

[origin: WO2017076386A1] The invention relates to a method for determining sonar data by means of an underwater vehicle, wherein the underwater vehicle has a sensor carrier having at least two waterborne sound transducers and at least two deformation sensors, and the underwater vehicle has an associated data processing unit, having the following steps: – a three-dimensional deformation of the sensor carrier is determined by means of the deformation sensors, – a physical arrangement of the waterborne sound transducers is determined, – waterborne sound signals are captured by means of the waterborne sound transducers and the waterborne sound signals are evaluated by means of the data processing unit using the determined physical arrangement of the waterborne sound transducers, so that a position of a waterborne sound source is determinable in a manner free from disturbance by a deformation of the sensor carrier. Furthermore, the invention relates to an underwater vehicle for determining sonar data.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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