

ABSTRACTAPPARATUS CAPABLE OF BEING SUBMERGED
AND INCLUDING AN ACOUSTIC TRANSDUCER

This device includes a case (2) in which an acoustic transducer (11) is mounted so as to communicate in a water tight manner with the exterior of the case (2) via acoustic energy.

5 According to the invention, the transducer (11) is mounted in front of a membrane (18) able to be deformed separating it in a water tight manner from an inlet cavity (14, 15) which is arranged in the case (2) of the device and is in communication with the exterior.

10 Between the membrane (18) and the transducer (11) an intermediate chamber (19) is arranged allowing deformation of said membrane by the action of external static pressure and delimited on the side of the transducer by a support element (12a) fixedly mounted in the case and capable of
15 limiting the deformation of the membrane in the event of application of said external pressure.

Sole Figure 1