

Title (en)
UNDERWATER SOUND SIGNAL, UNDERWATER TRANSMITTER OR UNDERWATER RECEIVER, UNDERWATER SONAR, UNDERWATER VEHICLE AND RETROFITTING KIT

Title (de)
UNTERWASSERSCHALLSIGNAL, UNTERWASSERSENDER ODER UNTERWASSEREMPFÄNGER, UNTERWASSERSONAR, UNTERWASSERFAHRZEUG UND NACHRÜSTSATZ

Title (fr)
SIGNAL SONORE SOUS-MARIN, ÉMETTEUR OU RÉCEPTEUR SOUS-MARIN, SONAR SOUS-MARIN, VÉHICULE SOUS-MARIN ET COMPLÉMENT D'ÉQUIPEMENT

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Application
EP 14703520 A 20140103

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Abstract (en)
[origin: WO2014117767A1] In particular in the case of a side-scan sonar, large intensities with respect to the sound pressure under water are emitted in order to be able to detect objects at large distances, with the result that the reflected signal of very distant objects can be detected well. This procedure has some disadvantages. In order to be able to achieve the high sound pressure, high-performance energy sources such as batteries are necessary. In addition, (interference) signals are also reflected at the surface of the water. Furthermore, reflections of objects in the vicinity are very strong, with the result that the sensitivity of underwater microphones has to be reduced. The invention therefore relates to an underwater sound signal which has a first transit time difference and/or a first intensity difference along a first irradiation angle, wherein the first transit time difference and/or the first intensity difference are/is impressed on the underwater sound signal and this impressing process occurs, in particular, during transmission or reception.

IPC 8 full level
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CPC (source: EP)
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