

Title (en)
Underwater acoustic sensing apparatus.

Title (de)
Akustische Sensorvorrichtung für die Unterwasseranwendung.

Title (fr)
Détecteur acoustique sous-marine.

Publication
EP 0489593 A1 19920610 (EN)

Application
EP 91311335 A 19911205

Priority
GB 9026589 A 19901206

Abstract (en)
A sonobuoy includes a float portion 1 and a hydrophone supporting structure 2 which, when deployed, separate, being connected by a line 21 which provides a signal transmission path between hydrophones and a r.f. transmitter 4 and aerial 7. When separated, the float portion 1 moves upwardly to the surface of the water and the supporting structure 2 moves downwardly, during which time the hydrophones detect acoustic vibrations. Signals representative of the acoustic energy are transmitted via the aerial 7. When line 21 has been paid out to its full extent from the drum 20 on which it is wound, the line 21 breaks and the sonobuoy ceases transmission. As the sonobuoy is intended to operate whilst the hydrophones are moving downwardly, the float portion 1 and cable 21 need not be capable of supporting the weight of the hydrophone support structure 2 and hence occupy a smaller volume and need not be so robust as in a conventional apparatus. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
B63B 22/003 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE FR IT NL SE

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DOCDB simple family (application)
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