

Title (en)  
UNDERWATER ACOUSTIC ANTENNA HAVING A SURFACE SENSOR

Title (de)  
AKUSTISCHE UNTERWASSERANTENNE MIT FLÄCHENSENSOR

Title (fr)  
ANTENNE ACOUSTIQUE SOUS-MARINE A CAPTEUR SURFACIQUE

Publication  
**EP 0641262 B1 19960417 (FR)**

Application  
**EP 93910097 A 19930507**

Priority  
• FR 9300444 W 19930507  
• FR 9206274 A 19920522

Abstract (en)  
[origin: FR2691596A1] The acoustic antenna of the invention includes at least one surface sensor formed from a stack of conducting layers and piezoelectric dielectric layers contained in an elastic material coating. The assembly so formed constitutes a flat panel (2) mounted on a naval vessel hull (5), said panel being moulded to the shape of the hull. The panel is mounted on the hull by means of two enclosed edge rails (3, 4) with a water layer (6) being left between the panel (2) and the hull (5). Advantageously, the coating comprises an elastic envelope filled with a viscoelastic lining material. The piezoelectric material of the sensor's dielectric layers is preferably a vinylidene polyfluoride film.

IPC 1-7  
**B06B 1/06; G10K 11/00**

IPC 8 full level  
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Cited by  
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**FR 2691596 A1 19931126; FR 2691596 B1 19950428**; CA 2136242 A1 19931209; CA 2136242 C 20031118; DE 69302270 D1 19960523; DE 69302270 T2 19960919; EP 0641262 A1 19950308; EP 0641262 B1 19960417; JP 3262796 B2 20020304; JP H07507427 A 19950810; US 5517467 A 19960514; WO 9324244 A1 19931209

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