

Abstract**Modular distributed system for the acoustic detection of underwater threats in a sensitive zone**

5 The invention proposes an acoustic detection system (100) for detecting at least partly submerged targets in a sensitive area defined with respect to an infrastructure, characterized in that the system comprises at least one multistatic detection group, each multistatic detection group (3) defining a detection area, and comprising:

- A submerged transmitter (31) transmitting at low frequencies;
- 10 • A plurality of submerged receivers (32) comprising at least two receivers, each receiver of a given group forming, with the transmitter of the group, a bistatic pair, each bistatic pair generating an elementary detection area (320) surrounding a blind zone (321), the detection area of the group being formed by all of the elementary detection areas of the receivers of the group,

the blind zone (321) of each receiver in a given detection group being at least partly
 15 covered by the elementary detection areas of the neighbouring receivers of the detection system.

(Figure 2)