

ABSTRACT

The invention relates to a method for monitoring a maritime zone comprising a cycle of the following successive steps:

- 5 - acquiring (100) acoustic measurements by means of a set of acoustic reception antennas, the reception antennas of the set each being in a reception configuration;
- detecting (200) a set of noise generators of interest by forming sonar channels from the acoustic measurements, each noise generator of interest being characterized by a set of at least one primary feature comprising a positioning zone of the noise
10 generator defined in an overall reference frame common to all the noise generators of interest; and,
- when the set of noise generators of interest is not empty:
 - determining (300), from the set of at least one primary feature, an optimal
15 configuration set comprising an optimal reception configuration for each antenna of a subset of the reception antennas of the set of reception antennas, so that each reception antenna of the subset is capable of detecting, in the subsequent cycle, acoustic signals originating from a noise generator of interest of the set of noise generators of interest;
 - reconfiguring (400) each reception antenna of the subset according to the optimal
20 reception configuration defined for this reception antenna, with the cycle of processing steps being repeated at least once.

Figure for the abstract: Fig. 2.