According to a first aspect of the present invention, there is provided an acoustic monitoring system comprising at least two isolated acoustic omnidirectional hydrophone receivers for, in use receiving acoustic signals from an acoustic source in the far field wherein the at least two isolated acoustic receivers form a flexible structure capable of spatial displacement, a detector for detecting signals from the said receivers and a processing system arranged to carry out the steps of:

- generating signals by the said hydrophone receivers pursuant to detected acoustic signals of an acoustic source;
- processing the generated hydrophone signals for determining a spatial position of the said receivers.

According to a second aspect of the present invention, there is provided a method of acoustic monitoring using a system comprising at least two isolated acoustic omnidirectional hydrophone receivers capable of spatial displacement, the method comprising the steps of:

- generating signals by the said hydrophone receivers pursuant to detected acoustic signals of an acoustic source;
- processing the generated hydrophone signals for determining a spatial position of the said receivers.

These and other aspects of the invention will be discussed with reference to drawings wherein like reference signs correspond to like elements. It will be appreciated that the drawings are presented for illustrative purposes only and may not be used for limiting the scope of the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 presents in a schematic way an embodiment of a system according to the invention.

Figure 2 presents in a schematic way a further embodiment of a system according to the invention.

Figure 3 presents in a schematic way a still further embodiment of a system according to the invention.

Figure 4 presents in a schematic way an embodiment of a pictorial representation of a correlation and a correlogram.

Figure 5 presents schematically an embodiment of a direction of an acoustic source relative to a pair of receivers.

Figure 6 presents schematically an embodiment of the system according to the invention comprising three receivers.

Figure 7 presents schematically an embodiment of a method according to the invention.

Figure 8 presents schematically a further embodiment of a method according to the invention.

Figure 9 presents in a schematic way a still further embodiment of the method according to the invention.

Figure 10 presents in a schematic way a still further embodiment of a method according to the invention.

DETAILED DESCRIPTION OF THE DRAWINGS