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(54) **WATERPROOF MEMBRANE COVER FOR ACOUSTIC ARRAYS IN SODAR SYSTEMS**

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(58) **Field of Classification Search** **342/87, 342/89, 174; 73/170.13; 367/87, 89, 174**
See application file for complete search history.

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(57) **ABSTRACT**

A waterproof or water-resistant membrane cover for the acoustic transducer array of a sodar system. The membrane is placed over each transducer of the array. The membrane may be spaced from the array, with a structure such as a frame used to hold the membrane in place relative to the array.

29 Claims, 23 Drawing Sheets

