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[Continued on next page]

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

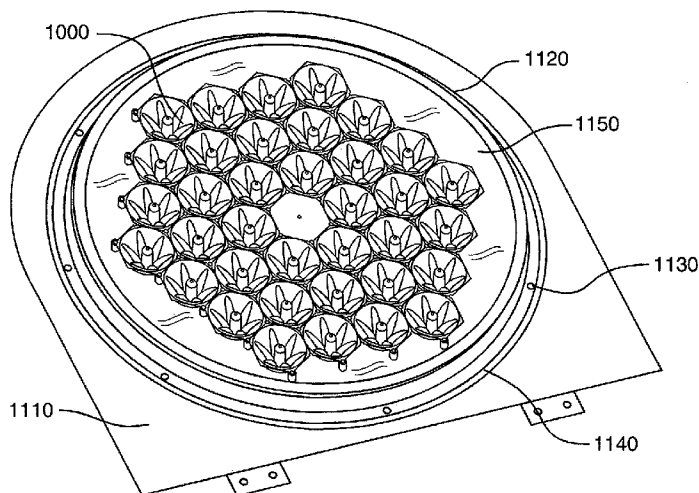


FIG. 13

(57) Abstract: A waterproof or water-resistant membrane cover (1150) for the acoustic transducer array (1000) of a sodar system. The membrane (1150) is placed over each transducer of the array (1000). The membrane (1150) may be spaced from the array (1000), held in place with a structure such as a frame (1120).

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IPC(8) - G01S 15/00 (2008.04)
USPC - 367/87
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC: 367/87

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 181/175, 367/89, 129; 416/37 (keyword limited - see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB, USPT, USOC, EPAB, JPAB); GOOGLE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,509,304 A (Peterman et al.) 23 April 1996 (23.04.1996), entire document, especially abstract, figures 3 and 4, col. 1, ln 45 to col. 2, ln 24, col. 5, ln 55 to 65, col. 8, ln 66 to col. 9, ln 17.	1-30
Y	US 2005/0165313 A1 (Byron et al.) 28 July 2005 (28.07.2005) entire document, especially abstract, para [0007], [0013], [0014], [0018], [0044].	1-30
Y	US 7,061,475 B2 (Kent) 13 June 2006 (13.06.2006), entire document, especially abstract, col. 2, ln 38 to 49, col. 3, ln 49 to col. 4, ln 5, col. 29, ln 63 to col. 30, ln 11, col. 56, ln 28 to 48.	6, 13, 20
Y	US 4,641,290 A (Massa et al.) 03 February 1987 (03.02.1987), entire document, especially abstract, col. 3, ln 20 to 31.	21, 30
Y	US 2004/0031203 A1 (Russell et al.) 19 February 2004, entire document, especially abstract, para [0002], [0031].	4-5
Y	US 6,608,237 B1 (Li et al.) 19 August 2003 (19.08.2003), entire document, especially abstract, col. 11, ln 37 to 57, col. 13 ln 24 to 39.	5
Y	US 2006/0057351 A1 (Yang et al.) 16 March 2006 (16.03.2006), entire document, especially abstract, figure 3, para [0018].	15-24, 30

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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