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01.07.92 Bulletin 92/27(71) Applicant: **HAZELTINE CORPORATION**
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Urquhart-Dykes & Lord 91 Wimpole Street
London W1M 8AH(GB)(54) **System for deploying horizontal line array.**

(57) A sonobuoy system and method for deploying an array of transducers in a substantially horizontal line at a desired depth below the surface of a body of water. The trailing end of the array is deployed first, allowed to descend, and suspended at the desired operating depth. The leading end of the array is then released, allowed to descend slowly, and suspended at the desired operating depth. A drag device attached to the trailing end of the array causes the trailing end of the array to be stretched out away from the leading end, thereby maintaining the array in a substantial horizontal line at the desired depth. The system and method make it possible to deploy horizontal line arrays in a minimum of time and at shallow depths.

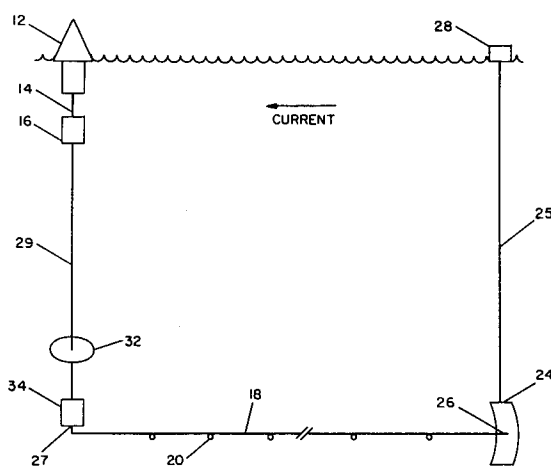


FIG. 6

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EUROPEAN SEARCH REPORT

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EP 90 30 7280

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-3 973 236 (R.B. McLAUGHLIN) * Figure 1; abstract * ---	1	G 10 K 11/00
A	US-A-4 004 265 (SANDERS ASSOCIATES, INC.) * Abstract; figures 7,9-12 * ---	1	
A	US-A-3 944 964 (H.T. LOESER et al.) * Abstract; figures 2-4 * ---	1	
A,P	OCEANS '89, Seattle, Washington; 18th - 21st September 1989, pages 1490-1497; R.A. McLAUHLAN: "Hydromechanical analysis and design of horizontal sonar line arrays" * Whole document * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 10 K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-12-1991	Examiner BAROCCI S.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			