

Title (en)
SYSTEM FOR DEPLOYING HORIZONTAL LINE ARRAY

Publication
EP 0410591 A3 19920701 (EN)

Application
EP 90307280 A 19900703

Priority
US 38348589 A 19890724

Abstract (en)
[origin: EP0410591A2] 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.

IPC 1-7
G10K 11/00

IPC 8 full level
B63B 22/00 (2006.01); **B63C 11/48** (2006.01); **G01S 3/801** (2006.01); **G01S 15/74** (2006.01); **G10K 11/00** (2006.01)

CPC (source: EP)
G10K 11/008 (2013.01)

Citation (search report)
• [A] US 3973236 A 19760803 - MCLAUGHLIN ROBERT B
• [A] US 4004265 A 19770118 - WOODRUFF THOMAS E, et al
• [A] US 3944964 A 19760316 - LOESER HARRISON T, et al
• [AP] OCEANS '89, Seattle, Washington, 18th - 21st September 1989, pages 1490-1497; R.A. McLAUCHLAN: "Hydromechanical analysis and design of horizontal sonar line arrays"

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FR3103571A1; US2022397655A1; WO2021104988A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0410591 A2 19910130; EP 0410591 A3 19920701; AU 5867090 A 19910124; AU 625999 B2 19920723; CA 2020202 A1 19910125; JP H03122583 A 19910524; NZ 234388 A 19920326

DOCDB simple family (application)
EP 90307280 A 19900703; AU 5867090 A 19900704; CA 2020202 A 19900629; JP 19601990 A 19900724; NZ 23438890 A 19900705