



(43) International Publication Date
14 March 2013 (14.03.2013)

- (51) International Patent Classification:
G01S 3/808 (2006.01) *G01S 5/22* (2006.01)
- (21) International Application Number:
PCT/NL2012/050622
- (22) International Filing Date:
7 September 2012 (07.09.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11180812.7 9 September 2011 (09.09.2011) EP
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: AN ACOUSTIC MONITORING SYSTEM AND A METHOD OF ACOUSTIC MONITORING

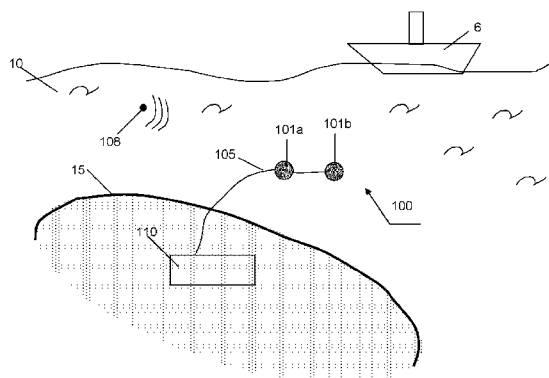


Fig. 1

(57) Abstract: The invention relates to an acoustic monitoring system comprising at least two isolated acoustic receivers (101a, 101b), such as hydrophones, for receiving acoustic signals from an acoustic source (16) and capable of spatial displacement, a detector for detecting signals from the said receivers and a processing system (110) for processing the detected signals for determining a spatial position of the said receivers and/or a direction to the acoustic source (16). The invention further relates to a method of acoustic monitoring.