US009411047B2

(12) **United States Patent**
Kokubo et al.

(10) **Patent No.: US 9,411,047 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **SEARCHLIGHT SONAR**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 59 days.

(21) Appl. No.: **14/400,185**

(22) PCT Filed: **Dec. 4, 2013**

(86) PCT No.: **PCT/JP2013/082613**
§ 371 (c)(1),
(2) Date: **Nov. 10, 2014**

(87) PCT Pub. No.: **WO2014/192189**
PCT Pub. Date: **Dec. 4, 2014**

(65) **Prior Publication Data**

US 2015/0331101 A1 Nov. 19, 2015

(30) **Foreign Application Priority Data**

May 29, 2013 (JP) 2013-113044

(51) **Int. Cl.**
G01S 15/42 (2006.01)
G01S 15/89 (2006.01)
G01S 15/96 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC ***G01S 15/42*** (2013.01); ***G01S 7/521*** (2013.01); ***G01S 7/6218*** (2013.01); ***G01S 15/89*** (2013.01); ***G01S 15/96*** (2013.01)

(58) **Field of Classification Search**
CPC G01S 15/96; G01S 7/521; G01S 15/89; G01S 15/42; G01S 7/6218
USPC 367/104, 88
See application file for complete search history.

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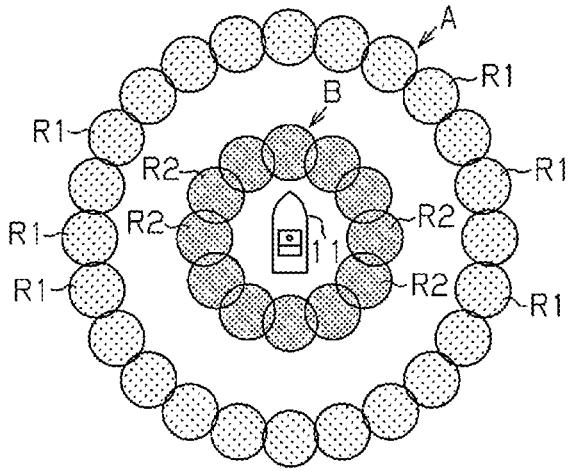
(57) **ABSTRACT**

A searchlight sonar is installed on a ship (**11**) and searches under water around the ship (**11**) while changing the transmitting direction of an ultrasonic beam (TB) at a predetermined split rotation (Mn) in the circumferential direction around the ship (**11**). The split rotation (Mn) is set to increase as the depression angle of the transmitting direction of the ultrasonic beam (TB) is increased.

3 Claims, 6 Drawing Sheets