

(11) **EP 4 234 386 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 04.10.2023 Bulletin 2023/40

(43) Date of publication A2: 30.08.2023 Bulletin 2023/35

(21) Application number: 23177736.8

(22) Date of filing: 29.03.2017

(51) International Patent Classification (IPC): G05D 1/02 (2020.01) G08G 3/02 (2006.01)

G05D 1/02 ^(2020.01) B63B 49/00 ^(2006.01) B63H 25/04 ^(2006.01)

B63H 21/22 (2006.01) B63H 25/42 (2006.01)

(52) Cooperative Patent Classification (CPC): B63H 21/22; B63B 49/00; B63H 25/04;

B63H 25/42; G05D 1/0206; G08G 3/02

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: 29.03.2016 US 201662314625 P

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 17773371.4 / 3 436 347 (71) Applicant: MAID IP Holdings Pty/Ltd Perth, WA 6000 (AU)

(72) Inventor: Tyers, Bradley Currambine, WA 6028 (AU)

(74) Representative: FRKelly

27 Clyde Road Dublin D04 F838 (IE)

(54) AN AUTOMATIC LOCATION PLACEMENT SYSTEM

(57) A method of automatically moving, by an automatic location placement system, a marine vessel includes receiving, by a central processing unit, from a vision ranging photography system, at least one optical feed including data providing a mapping of an environment surrounding a marine vessel. The method includes displaying, by the central processing unit, on a touch screen monitor, the mapping of the environment. The method includes receiving, by the central processing unit, from the touch screen monitor, target location data. The method includes directing, by the central processing unit, at least one element of a propulsion system of the marine vessel, to move the marine vessel to the targeted location, using the mapping.

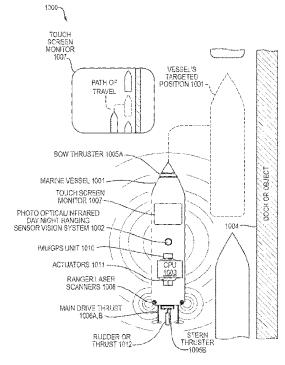


FiG. 10A

EP 4 234 386 A3



EUROPEAN SEARCH REPORT

Application Number

EP 23 17 7736

	DOCUMENTS CONSIDERED	TO BE RELEVANT				
Category	Citation of document with indicatio of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)		
x	EP 2 824 528 A1 (TYERS: 14 January 2015 (2015-0 * page 1, paragraph 1 - 55; figures 1-9C *	1-14)	1-15	INV. G05D1/02 G08G3/02 B63B49/00 B63H21/22		
x	JP H06 286694 A (JAPAN 11 October 1994 (1994-1 * the whole document *	•	1-15	B63H25/04 B63H25/42		
A	US 2012/072059 A1 (GLAE 22 March 2012 (2012-03- * page 1, paragraph 2 - 43; figures 1, 2 *	22)	1-15			
A	WO 2010/141772 A1 (FLIR HOGASTEN NICHOLAS [US] : 9 December 2010 (2010-1 * the whole document *	ET AL.) 2-09)	1-15			
				TECHNICAL FIELDS SEARCHED (IPC)		
	The present search report has been dr	rawn up for all claims Date of completion of the search		Examiner		
Munich		24 August 2023	Bur	Burchielli, M		
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		E : earlier patent do after the filing da D : document cited	T: theory or principle underlying the E: earlier patent document, but publi after the filing date D: document cited in the application L: document cited for other reasons 8: member of the same patent family			

EP 4 234 386 A3

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 23 17 7736

5

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-08-2023

10		P.	atent document		Publication		Patent family		Publication
, 0			d in search report		date		member(s)		date
	:	EP	2824528	A 1	14-01-2015	AU	2014202813	A1	29-01-2015
						CN	104276265		14-01-2015
4.5						EP	2824528	A1	14-01-2015
15						HK	1207699	A1	05-02-2016
						JP	2016531036	A	06-10-2016
						SG	11201510130Q	A	28-01-2016
						TR	201907268	T4	21-06-2019
						TW	201513056	A	01-04-2015
20						US	2016187883	A1	30-06-2016
						WO	2015005986	A1	15-01-2015
		JP	н06286694	A	11-10-1994	NON	1E 		
25		US	2012072059	A1	22-03-2012		102009022652		09-12-2010
						EP	2435998		04-04-2012
						JP	2012528417		12-11-2012
						US	2012072059		22-03-2012
						WO	2010136490		02-12-2010
30	,	WO	2010141772	A1	09-12-2010	CN	102461156		16-05-2012
						EP	2438754		11-04-2012
						KR	20120038431		23-04-2012
						US	2010309315		09-12-2010
						US	2014285672		25-09-2014
35						WO	2010141772	AI	09-12-2010
40									
45									
50									
50									
	0459								
	FORM P0459								
55	ğ								

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82