



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 87 30 91

Classification of the application (IPC):

E04H 17/14, H02G 3/04, H01B 7/02, E01F 15/14, E04H 17/20, E01F 15/06

Technical fields searched (IPC):

E01F, E04H

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	KR 20090105123 A (UNIT ENGINEERING CO LTD [KR]; KIM CHUNG SIG [KR]) 07 October 2009 (2009-10-07) * paragraph [0025] - paragraph [0054]; figure 1 *	1, 2
X	WO 0023658 A1 (SNOLINE SPA [IT]; MUELLER FRANZ [IT]; ANGHILERI MARCO [IT]) 27 April 2000 (2000-04-27) * page 1, line 3 - line 5 * * page 7, line 10 - page 10, line 15; figures 1,2 *	1-4, 6, 8, 10
X	US 4075473 A (WINSTON GEORGE) 21 February 1978 (1978-02-21) * column 1, line 6 - line 9 * * column 2, line 53 - column 3, line 66; figures 1-4 *	1-8, 10-13 9, 14, 15
X	EP 0743398 A1 (SPIG SCHUTZPLANKEN PROD GMBH [DE]) 20 November 1996 (1996-11-20) * column 6, line 55 - page 8, line 29; figures 1-4 *	1-4, 6, 8, 10
Y	US 2018283040 A1 (MCCUE DAVID S [US] ET AL) 04 October 2018 (2018-10-04) * the whole document *	9, 14, 15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 21 September 2023	Examiner Giannakou, Evangelia
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

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EP 20 87 30 91

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 21-09-2023
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 20090105123	A	07-10-2009	NONE	
WO 0023658	A1	27-04-2000	AU 764084 B2 BR 9914786 A CA 2346913 A1 EP 1123446 A1 IT MI980677 U1 NZ 511659 A WO 0023658 A1	07-08-2003 03-07-2001 27-04-2000 16-08-2001 16-04-2000 26-11-2002 27-04-2000
US 4075473	A	21-02-1978	CA 1050797 A US 4075473 A	20-03-1979 21-02-1978
EP 0743398	A1	20-11-1996	AT E176287 T1 DE 19517933 A1 EP 0743398 A1	15-02-1999 21-11-1996 20-11-1996
US 2018283040	A1	04-10-2018	NONE	