



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 91 97 85

Classification of the application (IPC):
F01N 3/04, F01N 3/00

Technical fields searched (IPC):
F01N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	KR 20160049782 A (KIM YONG SUB [KR]) 10 May 2016 (2016-05-10) * paragraphs [0014], [0015]; claims 1-3; figures 1,3,4 *	1-3, 5
A	KR 101804418 B1 (HI-AIR KOREA CO LTD [KR]) 04 December 2017 (2017-12-04) * paragraphs [0040] - [0054]; figures 1,2,4 *	1-6
A	EP 2958656 A1 (MARINE GLOBAL HOLDING AS [NO]) 30 December 2015 (2015-12-30) * paragraphs [0051] - [0065]; figures 1-4 *	1-4

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 Munich	Date of completion of the search 08 September 2021	Examiner Kolland, Ulrich
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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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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 08-09-2021
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 20160049782	A	10-05-2016	NONE	
KR 101804418	B1	04-12-2017	KR 101804418 B1 WO 2019050188 A1	04-12-2017 14-03-2019
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