



## SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

Application number:  
EP 20 90 91 14

**Classification of the application (IPC):**  
F17C 13/06, F17C 13/00, F17C 13/08

**Technical fields searched (IPC):**  
F17C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	CN 103322117 B (SHANGHAI INST MICROSYS & INF) 20 January 2016 (2016-01-20) * figures 1-3 *	9-14
A	EP 2576384 B1 (KOBYLKA PETR [CZ]) 23 July 2014 (2014-07-23) * figures 1-3 *	9-14
A	US 2019248562 A1 (MAROTTA CARMINE [IT]) 15 August 2019 (2019-08-15) * figures 3-6 *	9-14
A	US 2019211971 A1 (BOLLINGER BRET [US] ET AL) 11 July 2019 (2019-07-11) * figures 4,5,8,9 *	9-14

### INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R. 62a, 63) has been carried out.

Claim(s) completely searchable:9-14

Claim(s) not searched:1-8, 15

#### Reason for the limitation of the search:

**[0001]** Claims 9-14 have formed the basis of the search in line with the applicant's reply (letter of 16.09.2022) to the invitation pursuant to Rule 62(a)(1) EPC sent on 06.07.2022.

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 18 October 2022	Examiner Papagiannis, Michail
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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 PARTIAL  
EUROPEAN SEARCH REPORT**

 Application number:  
EP 20 90 91 14

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 18-10-2022  
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
CN 103322117	B	20-01-2016	NONE	
EP 2576384	B1	23-07-2014	CZ 302701 B6 EP 2576384 A2 WO 2011147384 A2	07-09-2011 10-04-2013 01-12-2011
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