

**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 93 78 99

Classification of the application (IPC):
B25C 1/00, B25C 1/06, B25C 5/15, B25C 5/16

Technical fields searched (IPC):
B25C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 2010294824 A1 (TAKEMURA HAJIME [JP] ET AL) 25 November 2010 (2010-11-25) * figures 1, 6 * * paragraphs [0079], [0082], [0104], [0105] * * claim 1 *	1-7, 17
A	US 5794831 A (VELAN G MICHAEL [US] ET AL) 18 August 1998 (1998-08-18) * figure 1 * * abstract *	1-7, 17
A	EP 3437803 A1 (TTI MACAO COMMERCIAL OFFSHORE LTD [MO]) 06 February 2019 (2019-02-06) * paragraphs [0047], [0048] *	1-7, 17
A	US 2019143498 A1 (WEBER ANDREW J [US] ET AL) 16 May 2019 (2019-05-16) * paragraphs [0053], [0054], [0055] *	1-7, 17

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:1-7, 17

Claim(s) not searched:8-16

Reason for the limitation of the search:

[0001] The search has been restricted to the subject-matter indicated by the applicant in his letter of 18-12-2023 filed in reply to the invitation pursuant to Rule 62a(1) and/or Rule 63(1) EPC.

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 February 2024	Examiner D'Andrea, Angela
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| 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 93 78 99

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 21-02-2024
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010294824 A1	25-11-2010	CN 101939143 A	05-01-2011
		EP 2260979 A1	15-12-2010
		TW 200942370 A	16-10-2009
		US 2010294824 A1	25-11-2010
		WO 2009099159 A1	13-08-2009
US 5794831 A	18-08-1998	JP 4021523 B2	12-12-2007
		H10193281 A	28-07-1998
		NZ 328287 A	27-04-1998
		US 5794831 A	18-08-1998
		US 5911350 A	15-06-1999
EP 3437803 A1	06-02-2019	AU 2018211309 A1	21-02-2019
		CA 3013092 A1	03-02-2019
		CN 109382794 A	26-02-2019
		EP 3437803 A1	06-02-2019
		US 2019039219 A1	07-02-2019
US 2019143498 A1	16-05-2019	US 2019143498 A1	16-05-2019
		US 2021370487 A1	02-12-2021
		US 2022234184 A1	28-07-2022