



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 78 08 25

Classification of the application (IPC):
E01C 19/48

Technical fields searched (IPC):
E01C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	DE 102015009699 A1 (DYNAPAC GMBH [DE]) 18 February 2016 (2016-02-18) * the whole document *	1-8, 10 9
Y	WO 2017010541 A1 (SUMITOMO CONSTRUCTION MACHINERY CO LTD [JP]) 19 January 2017 (2017-01-19) * the whole document *	9

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 06 August 2024	Examiner Beucher, Stefan
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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 06-08-2024.
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 102015009699	A1	18-02-2016	<i>NONE</i>	
WO2017010541	A1	19-01-2017	CN 107849830 A	27-03-2018
			JP 6672300 B2	25-03-2020
			JP WO2017010541 A1	26-04-2018
			WO 2017010541 A1	19-01-2017