



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 86 01 77

Classification of the application (IPC):
E01B 25/12, E01B 25/26

Technical fields searched (IPC):
E01B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	JP S549408 U (-- 22 January 1979 (1979-01-22) * figures 1,2 * * the whole document *	1-10
A	CN 111549587 A (CHINA RAILWAY CONSTR HEAVY IND CORP LTD) 18 August 2020 (2020-08-18) * figures 1-14 * * the whole document *	1-10

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 26 August 2024	Examiner Klein, A
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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 26-08-2024
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP S549408	U	22-01-1979	NONE	
CN 111549587	A	18-08-2020	NONE	