



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 75 73 48

Classification of the application (IPC):
E01B 31/13, B23C 3/00, B23C 3/12

Technical fields searched (IPC):
B23C, B23Q, E01B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 5375951 A (VEALE JOHN R [US]) 27 December 1994 (1994-12-27) * column 2, lines 56-66 * * column 3, line 42 - column 4, line 12 * * figures 1, 2A *	1-8
X	EP 2071078 A1 (GOER LAURENT [DE]) 17 June 2009 (2009-06-17) * paragraphs [0026], [0027], [0031] - [0041], [0049] * * figures 1, 2a, 2b, 5a, 5b, 6, 8b *	1-8
Y	EP 2808446 A1 (SYSTEM7 RAILSUPPORT GMBH [AT]) 03 December 2014 (2014-12-03) * paragraphs [0011] - [0014] * * figures 1-3 *	1-16
Y	DE 20004932 U1 (PARTECH PRODUKTIONSEKONOMI AB [SE]) 26 July 2001 (2001-07-26) * page 8, fourth paragraph * * claims 1, 12, 13 * * figures 6, 7, 8 *	1-16
A	US 6033166 A (HAMPEL BARRY FRANCIS [US]) 07 March 2000 (2000-03-07) * figures 2-8 *	1-16
A	CN 204570400 U (SHANGHAI SUDA MECHANICAL PLANT; WANG HOUQIANG) 19 August 2015 (2015-08-19) * abstract * * figures 1-6 *	1-16

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 13 September 2019	Examiner Schäfer, Lisa
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CATEGORY OF CITED DOCUMENTS

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|---|--|
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| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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EP 17 75 73 48

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5375951	A	27-12-1994	NONE	
EP 2071078	A1	17-06-2009	DE 102007060215 A1 EP 2071078 A1	18-06-2009 17-06-2009
EP 2808446	A1	03-12-2014	NONE	
DE 20004932	U1	26-07-2001	NONE	
US 6033166	A	07-03-2000	NONE	
CN 204570400	U	19-08-2015	NONE	

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