



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 79 88 07

Classification of the application (IPC):
E02D 29/14, E02D 17/10

Technical fields searched (IPC):
E02D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 3968601 A (BROWN CLAYTON S ET AL) 13 July 1976 (1976-07-13) * column 3, line 6 - column 6, line 31; figures 1-4,7 *	1-21
X	US 2009290934 A1 (JORDAN LAWRENCE E [US] ET AL) 26 November 2009 (2009-11-26) * paragraph [0014] - paragraph [0053]; figures 6,8,12 *	1-21
X	KR 101331873 B1 (DONGE INDUSTRY DEV [KR]; JUNG UK [KR]) 21 November 2013 (2013-11-21) * paragraph [0006] - paragraph [0053]; figures 1-4 *	1-21
X	US 2012177440 A1 (CHIN TOYKIN [US]) 12 July 2012 (2012-07-12) * paragraph [0005] - paragraph [0048]; figures 3,5 *	1-21

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 Munich	Date of completion of the search 05 November 2019	Examiner Geiger, Harald
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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 05-11-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3968601	A	13-07-1976	NONE	
US 2009290934	A1	26-11-2009	NONE	
KR 101331873	B1	21-11-2013	NONE	
US 2012177440	A1	12-07-2012	NONE	