



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:

EP 16 74 06 09

Classification of the application (IPC):

F16K 11/04, E03C 1/02, F16K 31/04, F16K 31/05

Technical fields searched (IPC):

E03C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	WO 2008094247 A1 (MASCO CORP [US]; RODENBECK ROBERT W [US]; SPANGLER ANTHONY G [US]; VER) 07 August 2008 (2008-08-07) * paragraph [0017] - paragraph [0042]; figures 1,3 *	1-8 1-8
Y	US 4953236 A (LEE CHANG H [US] ET AL) 04 September 1990 (1990-09-04) * figures 1,1a,2 *	1-8
Y	US 2014116553 A1 (SCHOOLCRAFT JOHN KEVIN [US] ET AL) 01 May 2014 (2014-05-01) * figure 1 *	1-8

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 27 July 2018	Examiner Horst, Werner
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CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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EP 16 74 06 09

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2008094247	A1	07-08-2008	CA	2673737 A1	07-08-2008
			US	2007246564 A1	25-10-2007
			US	2012145249 A1	14-06-2012
			US	2016122983 A1	05-05-2016
			WO	2008094247 A1	07-08-2008
US 4953236	A	04-09-1990	NONE		
US 2014116553	A1	01-05-2014	CA	2889844 A1	08-05-2014
			US	2014116553 A1	01-05-2014
			US	2015345120 A1	03-12-2015
			WO	2014070918 A1	08-05-2014

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