

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2019/025357

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> <i>F16H 57/022</i> (2012.01)i; <i>F16H 57/08</i> (2006.01)i  According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) F16C; F16H  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 102015220013 A1 (SKF AB [SE]) 20 April 2017 (2017-04-20) cited in the application paragraphs [0031], [0032]; figure 1	1,5-7,10,11
X Y	DE 10207396 A1 (SEW EURODRIVE GMBH & CO [DE]) 11 September 2003 (2003-09-11) paragraphs [0006] - [0009]; figure 1	1,5-11 13
X	DE 102013208480 A1 (SKF AB [SE]) 13 November 2014 (2014-11-13) paragraphs [0013], [0019]; figure 2	1-5,7
X	US 2004177509 A1 (RUSSELL DANIEL T [US]) 16 September 2004 (2004-09-16) figures 1-3	1,5-11
X Y	DE 102010004043 A1 (SUMITOMO HEAVY INDUSTRIES [JP]) 09 September 2010 (2010-09-09) figure 1	1,5-12 13
A	US 5877433 A (MATSUZAKI HIROYUKI [JP] ET AL) 02 March 1999 (1999-03-02) figures 2-4	1-13
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p> <p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&amp;” document member of the same patent family</p>		
Date of the actual completion of the international search <b>04 February 2020</b>		Date of mailing of the international search report <b>03 March 2020</b>
Name and mailing address of the ISA/EP <b>European Patent Office p.b. 5818, Patentlaan 2, 2280 HV Rijswijk Netherlands</b> Telephone No. (+31-70)340-2040 Facsimile No. (+31-70)340-3016		Authorized officer <b>Hassiotis, Vasilis</b>  Telephone No.

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
DE	102015220013	A1	20 April 2017	NONE			
DE	10207396	A1	11 September 2003	NONE			
DE	102013208480	A1	13 November 2014	CN	104154115	A	19 November 2014
				DE	102013208480	A1	13 November 2014
				US	2015052758	A1	26 February 2015
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DE	102010004043	A1	09 September 2010	CN	101769373	A	07 July 2010
				CN	103486228	A	01 January 2014
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				KR	20100081921	A	15 July 2010
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