

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/073324

**A. CLASSIFICATION OF SUBJECT MATTER***F16D 3/40*(2006.01)i; *F16D 3/38*(2006.01)i; *F16D 3/41*(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

F16D

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 3377820 A (SMITH JR WILLIAM J) 16 April 1968 (1968-04-16) column 2, line 58 - column 3, line 5; figures 1,2	1,3-8,14,15 2,9-13
X	CN 103775519 A (GUIYANG LIBO MECHANICAL TRANSMISSION CO LTD) 07 May 2014 (2014-05-07) paragraphs [0019], [0020]; figure 1	1,3-8,14
X	US 3828578 A (HERSCOVICI S) 13 August 1974 (1974-08-13) column 2, line 43 - column 5, line 22; figures 1-6	1,3,5-8,14,15

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“E” earlier application or patent but published on or after the international filing date

“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)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“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

“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

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“&amp;” document member of the same patent family

Date of the actual completion of the international search

28 November 2018

Date of mailing of the international search report

07 December 2018

Name and mailing address of the ISA/EP

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

International application No.

**PCT/EP2018/073324**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	3377820	A	16 April 1968	NONE			
CN	103775519	A	07 May 2014	NONE			
US	3828578	A	13 August 1974	CA	984628	A	02 March 1976
				US	3828578	A	13 August 1974