

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/075288

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<i>F01D 5/18</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) F01D		
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 102016123525 A1 (GEN ELECTRIC [US]) 14 June 2017 (2017-06-14) paragraphs [0035], [0043], [0044]; figures 2,4,5	1-12
X	EP 1584790 A2 (GEN ELECTRIC [US]) 12 October 2005 (2005-10-12) abstract; figure 2	1-12
X	US 7497655 B1 (LIANG GEORGE [US]) 03 March 2009 (2009-03-03) abstract; claim 1; figure 1	1-7,12
X	JP 2011111947 A (MITSUBISHI HEAVY IND LTD) 09 June 2011 (2011-06-09) abstract; figures 3-5	1-12
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 "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 "&" document member of the same patent family		
Date of the actual completion of the international search <b>26 November 2018</b>		Date of mailing of the international search report <b>03 December 2018</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>Avramidis, Pavlos</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	102016123525	A1	14 June 2017	CN	107013252	A	04 August 2017
				DE	102016123525	A1	14 June 2017
				JP	2017106463	A	15 June 2017
				US	2017167269	A1	15 June 2017
EP	1584790	A2	12 October 2005	EP	1584790	A2	12 October 2005
				JP	2005299636	A	27 October 2005
				US	2005226726	A1	13 October 2005
US	7497655	B1	03 March 2009	NONE			
JP	2011111947	A	09 June 2011	JP	5675081	B2	25 February 2015
				JP	2011111947	A	09 June 2011