



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 15 89 82 23

**Classification of the application (IPC):**  
H02P 29/00, H02P 6/15, H02P 29/024, H02P 23/26

**Technical fields searched (IPC):**  
H02P

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	EP 2490328 A2 (GEN ELECTRIC [US]) 22 August 2012 (2012-08-22) * abstract * * paragraphs [0013], [0021] - [0022] * * claim 4 * * figure 3 *	2 1, 3-9
Y A	US 2014084825 A1 (LUO HUI [CN] ET AL) 27 March 2014 (2014-03-27) * paragraphs [0042] - [0052] * * figure 4 *	2 1, 3-9
A	EP 1959559 A2 (FUJITSU GENERAL LTD [JP]) 20 August 2008 (2008-08-20) * abstract * * claim 15 * * paragraph [0012] * * figure 15 *	1-9
A	EP 1662650 A1 (KAWASAKI HEAVY IND LTD [JP]) 31 May 2006 (2006-05-31) * paragraph [0058] - paragraph [0060] *	1-9

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 30 May 2018	Examiner Vanata, Daniela
---------------------------	---	-----------------------------

### 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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 15 89 82 23

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 30-05-2018  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2490328	A2	22-08-2012	CN 102646959 A	22-08-2012
			EP 2490328 A2	22-08-2012
			JP 6050005 B2	21-12-2016
			JP 2012170325 A	06-09-2012
			US 2012207617 A1	16-08-2012
US 2014084825	A1	27-03-2014	CN 103701372 A	02-04-2014
			US 2014084825 A1	27-03-2014
			WO 2014048284 A1	03-04-2014
EP 1959559	A2	20-08-2008	AU 2008200223 A1	28-08-2008
			CN 101242155 A	13-08-2008
			EP 1959559 A2	20-08-2008
			JP 4930085 B2	09-05-2012
			JP 2008199706 A	28-08-2008
			TW 200834089 A	16-08-2008
			US 2008191657 A1	14-08-2008
			US 2011050139 A1	03-03-2011
EP 1662650	A1	31-05-2006	AT 415733 T	15-12-2008
			EP 1662650 A1	31-05-2006
			JP 4641179 B2	02-03-2011
			JP 2006158000 A	15-06-2006
			US 2006108967 A1	25-05-2006