

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2017/093717

## A. CLASSIFICATION OF SUBJECT MATTER

H02M 3/335 (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)

H02M

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)

CNABS, CNTXT, DWPI, CNKI: 谐振, 变换, 整流, 滤波, 变压器, 逆变, 桥式, 星型, 原边, 副边; resonant, convert, rectification, inverter, transformer, primary, secondary, star, LLC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 102638167 A (EMERSON NETWORK POWER CO., LTD. (NORTH AMERICA)), 15 August 2012 (15.08.2012), description, paragraphs 0040-0087, and figure 8	1-9
A	CN 201846235 U (EMERSON NETWORK POWER CO., LTD. (NORTH AMERICA)), 25 May 2011 (25.05.2011), entire document	1-9
A	EP 2961054 A1 (SIEMENS AG), 30 December 2015 (30.12.2015), entire document	1-9

Further documents are listed in the continuation of Box C.       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>
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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">16 October 2017</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;">24 October 2017</p>
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 102638167 A	15 August 2012	WO 2012106965 A1	16 August 2012
CN 201846235 U	25 May 2011	None	
EP 2961054 A1	30 December 2015	None	