

INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2018/050048

A. CLASSIFICATION OF SUBJECT MATTER  
INV. H02J3/14 H02J3/38  
ADD.  
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)  
H02J  
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	WO 2011/027195 A1 (ABB TECHNOLOGY LTD [CH]; KULATHU GANESH [IN]; GUPTA ARINJAI [IN]; PAPA) 10 March 2011 (2011-03-10)	1-4,6,7, 10-17
Y	the whole document	5,8
X	US 2013/035800 A1 (KULATHU GANESH [IN] ET AL) 7 February 2013 (2013-02-07)	1-3,6,7, 10-12,14
Y	the whole document	5
Y	US 2014/188689 A1 (KALSI KARAN [US] ET AL) 3 July 2014 (2014-07-03)	8,9
Y	the whole document	
X	EP 2 806 520 A1 (VITO NV [BE]) 26 November 2014 (2014-11-26)	1-3,6,7, 10-12,14
Y	the whole document	5,9
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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

"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  7 March 2018	Date of mailing of the international search report  23/03/2018
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Krasser, Bernhard

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/065135 A2 (ALTERNATIVE ENERGY SYSTEMS CON [US]; GIBSON GERALD L [US]; TROXELL WAD) 7 June 2007 (2007-06-07)	1
Y	the whole document -----	9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2018/050048
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