



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 84 61 84

Classification of the application (IPC):
H05B 37/02, F21V 23/04, G09G 3/34

Technical fields searched (IPC):
F21V, H05B, G09G

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015181678 A1 (SACHS CHRISTOPHER DAVID [US] ET AL) 25 June 2015 (2015-06-25) * paragraphs [0069], [0078], [0103], [0109], [0081], [0071], [0073]; figures 7, 1 *	1-14
A	JP 2009295399 A (MITSUBISHI ELECTRIC CORP; MITSUBISHI ELEC LIGHTING CORP) 17 December 2009 (2009-12-17) * the whole document *	1-14
A	US 2012299485 A1 (MOHAN TANUJ [US] ET AL) 29 November 2012 (2012-11-29) * paragraph [0003] - paragraph [0122] *	1-14
A	US 2012086363 A1 (GOLDING JONATHAN [US] ET AL) 12 April 2012 (2012-04-12) * sentence 6 - sentence 100 *	1-14

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 08 April 2019	Examiner Hernandez Serna, J
---------------------------	---	--------------------------------

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 16 84 61 84

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 08-04-2019
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
US 2015181678 A1	25-06-2015	TW 201531164 A US 2015181678 A1 WO 2015095645 A1	01-08-2015 25-06-2015 25-06-2015
JP 2009295399 A	17-12-2009	JP 5371290 B2 JP 2009295399 A	18-12-2013 17-12-2009
US 2012299485 A1	29-11-2012	NONE	
US 2012086363 A1	12-04-2012	US 2012086363 A1 US 2013134886 A1	12-04-2012 30-05-2013