

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2016/006827

## A. CLASSIFICATION OF SUBJECT MATTER

*H01Q 7/00(2006.01)i, H01Q 21/28(2006.01)i, H02J 7/02(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)

H01Q 7/00; H01F 38/14; H02J 7/00; H02J 17/00; H01F 27/28; H01Q 21/28; H02J 7/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Utility models and applications for Utility models: IPC as above  
Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) &amp; Keywords: multi, antenna, power transmission, magnetic resonance, wireless power consortium

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-2015-0055755 A (HANRIM POSTECH CO., LTD.) 22 May 2015 See abstract and claims 1-3.	1-6
A	KR 10-2015-0028042 A (KOREA ELECTRONICS TECHNOLOGY INSTITUTE) 13 March 2015 See paragraphs [0010], [0027], claim 2 and figure 2.	1-6
A	KR 10-1189298 B1 (LG INNOTEK CO., LTD.) 09 October 2012 See claims 1-5 and figure 6.	1-6
A	KR 10-2015-0047479 A (HANRIM POSTECH CO., LTD.) 04 May 2015 See paragraphs [0020]-[0030], claims 1, 5 and figure 1.	1-6
A	KR 10-2014-0061131 A (LG ELECTRONICS INC.) 21 May 2014 See claims 1-4.	1-6

 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

29 SEPTEMBER 2016 (29.09.2016)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

**PCT/KR2016/006827**

Patent document cited in search report	Publication date	Patent family member	Publication date
KR 10-2015-0055755 A	22/05/2015	KR 10-2015-0049858 A KR 10-2015-0053536 A KR 10-2015-0055753 A US 2016-0254705 A1 WO 2015-064815 A1	08/05/2015 18/05/2015 22/05/2015 01/09/2016 07/05/2015
KR 10-2015-0028042 A	13/03/2015	KR 10-1515479 B1	04/05/2015
KR 10-1189298 B1	09/10/2012	NONE	
KR 10-2015-0047479 A	04/05/2015	CN 104521105 A JP 2015-531224 A US 2015-0214745 A1 WO 2014-025168 A1	15/04/2015 29/10/2015 30/07/2015 13/02/2014
KR 10-2014-0061131 A	21/05/2014	NONE	