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[Continued on next page]

(54) Title: WIRELESS POWER TRANSMISSION FOR ELECTRONIC DEVICES INCLUDING PARASITIC RESONANT TANK

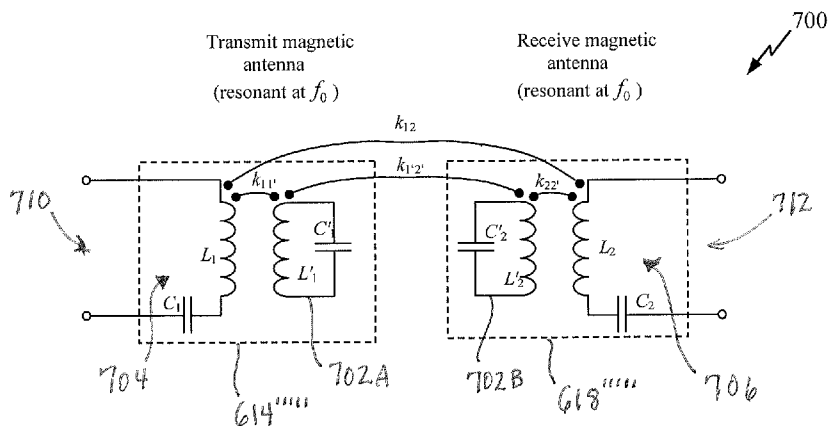


FIG. 13

(57) Abstract: Exemplary embodiments are directed to wireless power transfer. A wireless power receiver includes a receive antenna for coupling with a transmit antenna of transmitter generating a magnetic near field. The receive antenna receives wireless power from the magnetic near field and includes a resonant tank and a parasitic resonant tank wirelessly coupled to the resonant tank. A wireless power transmitter includes a transmit antenna for coupling with a receive antenna of a receiver. The transmit antenna generates a magnetic near field for transmission of wireless power and includes a resonant tank and a parasitic resonant tank coupled to the resonant tank.

WO 2010/014634 A3

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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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 H01Q H04B

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 practical, search terms used)  
 EPO-Internal

<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	WO 2005/109597 A1 (SPLASHPower LTD [GB]; STEVENS MICHAEL CRAIG [GB]; KNILL ALEXANDER CHAR) 17 November 2005 (2005-11-17) abstract page 17, line 7 - page 26, line 21; figures 1-4	1-2, 5-7, 10-13  3-4, 8-9, 14-23
Y A	US 2007/182658 A1 (OZDEN SINASI [DK]) 9 August 2007 (2007-08-09) abstract claims 1,2,8; figures 4-9 page 3, paragraph 44 - page 5, paragraph 53	1-2, 5-7, 10-13 3-4, 8-9, 14-23
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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	"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
"E" earlier document but published on or after the international filing date	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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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  <b>Koutsorodis, Dafni</b>
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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.
A	<p>WO 2007/150070 A2 (DANAHER CORP; IVERSON ROD [US]; MCKERNAN EDWARD J [US]; BOOST MIKE [US] 27 December 2007 (2007-12-27) abstract claim 1; figures 1-3 page 3, paragraph 15 - page 8, paragraph 29</p> <p style="text-align: center;">-----</p>	1-23
Y A	<p>US 5 198 826 A (ITO MICHIAKI [JP]) 30 March 1993 (1993-03-30) abstract claim 4; figures 1,2,9A-9C,10,14 column 7, line 7 - line 54 column 1, line 63 - column 2, line 49</p> <p style="text-align: center;">-----</p>	1-2,5-7, 10-13 3-4,8-9, 14-23

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2009/051997
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