

Title (en)  
WIRELESS ENERGY TRANSFER

Title (de)  
DRAHTLOSER ENERGIETRANSFER

Title (fr)  
TRANSFERT D'ÉNERGIE SANS FIL

Publication  
**EP 2130287 A1 20091209 (EN)**

Application  
**EP 07784396 A 20070611**

Priority  
• US 2007070892 W 20070611  
• US 90866607 P 20070328  
• US 90838307 P 20070327

Abstract (en)  
[origin: WO2008118178A1] Disclosed is an apparatus for use in wireless energy transfer, which includes a first resonator structure configured to transfer energy non-radiatively with a second resonator structure over a distance greater than a characteristic size of the second resonator structure. The non-radiative energy transfer is mediated by a coupling of a resonant field evanescent tail of the first resonator structure and a resonant field evanescent tail of the second resonator structure.

IPC 8 full level  
**H02J 17/00** (2006.01)

CPC (source: EP KR US)  
**B60L 53/12** (2019.02 - EP US); **H02J 50/12** (2016.02 - EP KR US); **H02J 50/20** (2016.02 - KR); **H02J 50/40** (2016.02 - KR); **H02J 50/80** (2016.02 - KR); **H02J 50/90** (2016.02 - KR); **H04B 5/24** (2024.01 - KR); **H04B 5/79** (2024.01 - KR); **H02J 50/20** (2016.02 - EP); **H02J 50/40** (2016.02 - EP US); **H02J 50/90** (2016.02 - EP US)

Citation (examination)  
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• KO W H ET AL: "DESIGN OF RADIO-FREQUENCY POWERED COILS FOR IMPLANT INSTRUMENTS", MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING, SPRINGER, HEILDELBERG, DE, vol. 15, no. 6, 1 November 1977 (1977-11-01), pages 634 - 640, XP001221975, ISSN: 0140-0118, DOI: 10.1007/BF02457921  
• SHAMONINA E ET AL: "Magneto-inductive waveguide", ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 38, no. 8, 11 April 2002 (2002-04-11), pages 371 - 373, XP006018192, ISSN: 0013-5194, DOI: 10.1049/EL:20020258  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008118178 A1 20081002; WO 2008118178 A8 20090514**; AU 2007349874 A1 20081002; AU 2007349874 A2 20100121; AU 2007349874 B2 20120216; CA 2682284 A1 20081002; CA 2682284 C 20160816; CN 101682216 A 20100324; CN 101682216 B 20130626; CN 102361358 A 20120222; CN 102361358 B 20150729; CN 103384095 A 20131106; CN 103384095 B 20160518; CN 103633745 A 20140312; CN 103633745 B 20150909; EP 2130287 A1 20091209; EP 2418755 A2 20120215; EP 2418755 A3 20130501; HK 1191140 A1 20140718; HK 1193509 A1 20140919; JP 2012105537 A 20120531; JP 2012502602 A 20120126; JP 2014060917 A 20140403; JP 2014168375 A 20140911; JP 2016185065 A 20161020; JP 5190108 B2 20130424; JP 5576354 B2 20140820; JP 5898254 B2 20160406; JP 5934166 B2 20160615; JP 6270905 B2 20180131; KR 101288433 B1 20130726; KR 101356409 B1 20140127; KR 101386515 B1 20140417; KR 101695169 B1 20170111; KR 20100015954 A 20100212; KR 20110117732 A 20111027; KR 20130079611 A 20130710; KR 20140007006 A 20140116; KR 20150038594 A 20150408

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