

US 20130119773A1

(19) United States (12) Patent Application Publication (10) Pub. No.: US 2013/0119773 A1

Davis

May 16, 2013 (43) Pub. Date:

(54) SYSTEMS AND METHODS FOR INDUCTION CHARGING WITH A CLOSED MAGNETIC LOOP

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- Appl. No.: 13/427,726 (21)
- (22) Filed: Mar. 22, 2012

Related U.S. Application Data

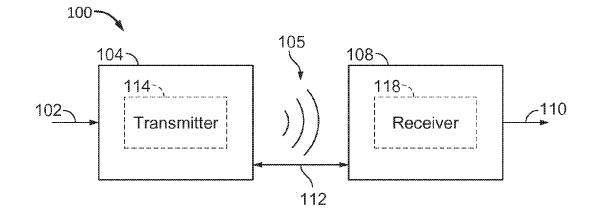
(60) Provisional application No. 61/560,135, filed on Nov. 15, 2011.

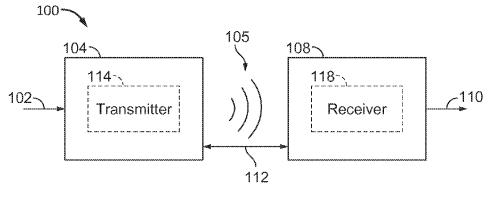
Publication Classification

- (51) Int. Cl. H02J 17/00 (2006.01)U.S. Cl.
- (52)

(57) ABSTRACT

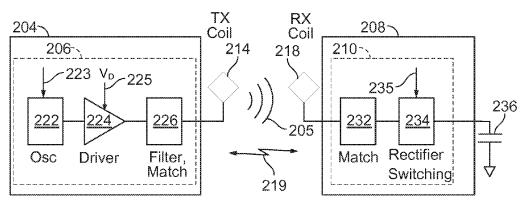
Systems, methods, and computer program products for induction charging with a closed magnetic loop are described herein. In one aspect, an apparatus for wireless power transmission comprises a plurality of coplanar coils, each of the plurality of coplanar coils configured to be individually energized and produce a magnetic field. Further, the controller is configured to reverse polarity of the magnetic field of at least one of the plurality of coplanar coils based on a measure of coupling between coils and to select at least two of the plurality of coplanar coils for wireless power transmission based on the measure of coupling between coils.



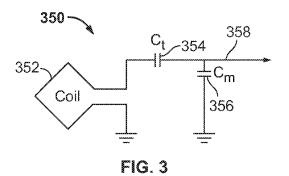














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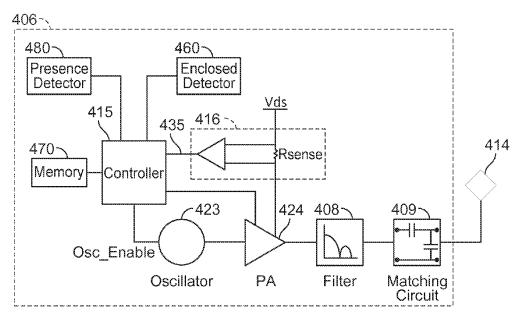


FIG. 4

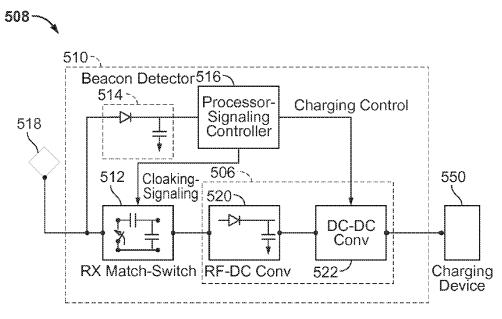
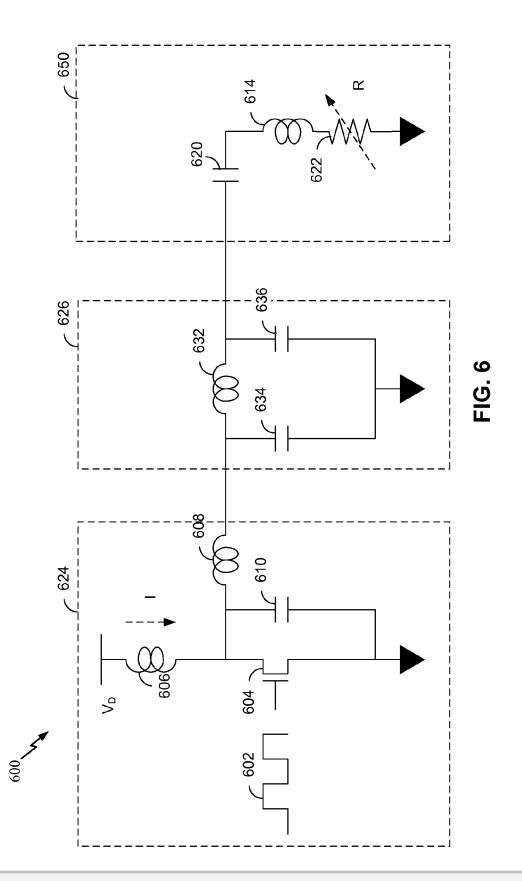
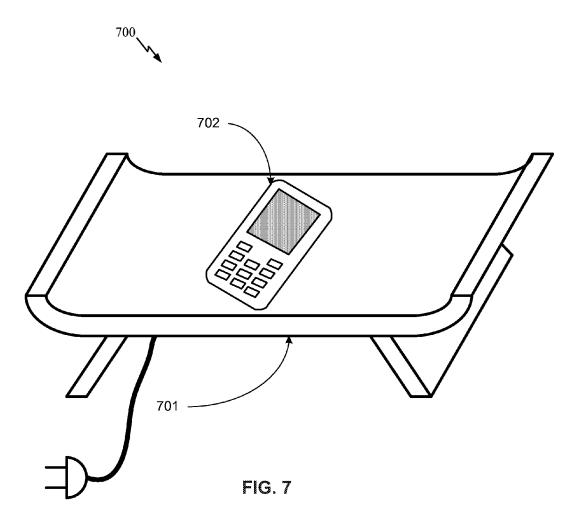


FIG. 5



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