POWER TRANSFER DEVICE

ABSTRACT

A power transfer device is provided. The power transfer device includes a circuit arrangement including a primary side having a primary coil; a secondary side having a secondary coil inductively coupled to the primary coil and a load transformation unit; wherein the load transformation unit includes an inductor and a capacitor; wherein the secondary coil, the inductor and the capacitor respectively includes a first terminal and a second terminal; wherein the first terminal of the secondary coil is coupled to the first terminal of the capacitor, the second terminal of the capacitor is coupled to the first terminal of the inductor, and the second terminal of the inductor is coupled to the second terminal of the secondary coil.

Figure 1