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(54) Title: WIRELESS POWER TRANSFER BASED ON MAGNETIC INDUCTION

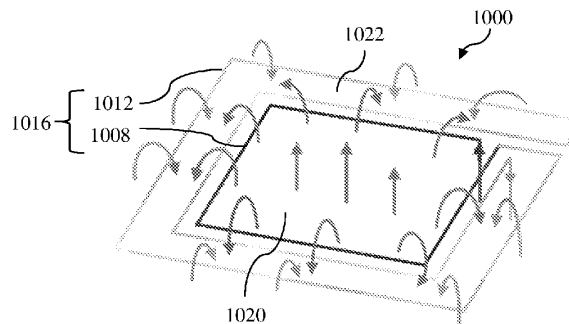


FIG. 10B

(57) Abstract: There is provided a coupler for wireless power transfer. The coupler includes a coil configured for wireless power transfer based on magnetic induction, the coil including a plurality of coil portions, the plurality of coil portions including a first coil portion and a second coil portion wound in opposite directions. In particular, the first coil portion is nested within the second coil portion. There is also provided a system for wireless power transfer including a wireless power transmitter including the coupler and/or a wireless power receiver including the coupler, as well as a method of manufacturing the coupler and a method of wireless power transfer using the coupler.

