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(57) Abstract :

According an embodiment, the present disclosure provides a wireless charging device. A wireless charging device comprises a primary coil and a secondary coil, a generator operatively coupled with the primary coil and the secondary coil, the generator comprises a stator, an armature, and a shaft, wherein the shaft is configured with the armature; a first rotary disc fitted with the shaft, wherein a plurality of first magnets are disposed at an outer periphery on the first rotary disc; plurality of second magnets are disposed on a second rotary disc at predefined position, wherein the second rotary disc is oriented perpendicular to the first rotary disc such that the plurality of second magnets repels the plurality of first magnets to enable rotatory movement of the first rotary disc, wherein rotation of the second disc provides rotatory movement of the first disc, and wherein rotation of the shaft enables spinning of armature produces electromagnetic induction inside the stator to generate electric charge; wherein the generator transmits electric charge to the primary coil such that the primary coil produces magnetic flux enables the secondary coil to generate electric flux for wireless charging.



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