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(54) **SYSTEMS AND METHODS FOR PROVIDING OVER-THE-AIR POWER TO CHARGING PADS**

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(57) **ABSTRACT**

Systems and methods for providing over-the-air power to charging pads. A system may include means for transducing over-the-air energy into electric power, at least one rechargeable battery coupled to the means for transducing, and at least one charging pad coupled to the at least one battery. The system may be positioned at least in part in at least one cavity positioned underneath a user-accessible surface of an apparatus. A method may include the steps of transducing over-the-air energy into electric power, inducing a first direct current from the electric power, transmitting the first direct current to at least one rechargeable battery, and transmitting a second direct current from the at least one rechargeable battery to at least one charging pad. Improvement of spaces used by people in need of charging various electronic devices may be achieved without such facility spaces having to undergo costly structural modifications.