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4464008 Kfar -Saba (IL).(72) Inventor: MANOVA-ELSSIBONY, Asaf; 18 Mosheh
Sneh St., 4922357 Petah-Tikva (IL).(74) Agents: R. ZANGO & CO. et al.; 8 Jerusalem St.,
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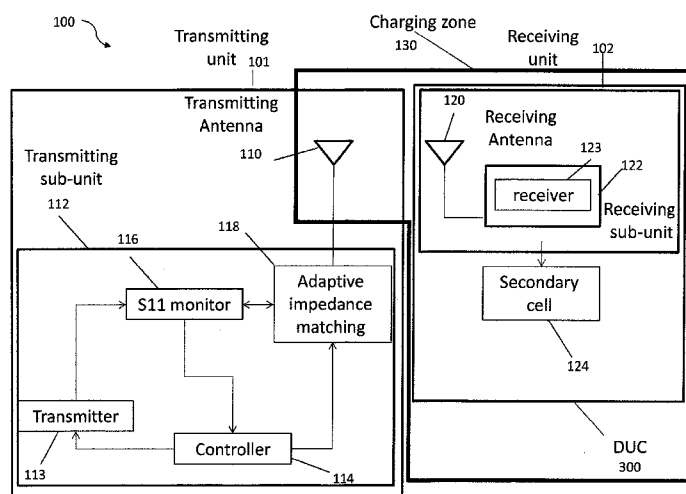


FIG. 3

(57) **Abstract:** A wireless charging device comprises a transmitter coupled to at least one transmitting antenna and operable to cause the at least one transmitting antenna to emit electromagnetic radiation; a conductive structure adapted to confine the electromagnetic radiation to a charging zone; and a detector for detecting a degree of impedance mismatch between the transmitter and the at least one transmitting antenna. A receiver for use with the wireless charging device and a wireless charging system are also disclosed.