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(54) **VEHICLE AND EXTERNAL POWER SUPPLY DEVICE**

(57) A vehicle self-resonant coil (110) provided at a vehicle is formed to extend along a circumference of a winding center (02), centered about the winding center (02). The distance between the center of the vehicle and an anti-node (AM1) of the vehicle self-resonant coil (110) that is the area of the anti-node of AC current flowing

through the vehicle self-resonant coil (110) when electromagnetic field resonant coupling is established between the vehicle self-resonant coil (110) and the facility self-resonant coil (240) is shorter than the distance between the winding center (02) and the center of the vehicle.

**FIG.9**

