ABSTRACT

By supplying power from the power-supplying resonator 22 to the power-receiving resonator 32 by means of resonance, an electromagnetic space Z having a relatively low magnetic field strength is formed between the power-supplying resonator 22 and the power-receiving resonator 32. In so doing, the position where the electromagnetic space Z is formed is changed by setting the frequency of the AC power supplied from an AC power source to the power-supplying module 2 to an antiphase resonance mode or an inphase resonance mode, and the size of the electromagnetic space Z is changed by changing the distance A between the power-supplying coil 21 and the power-supplying resonator 22 and the distance B between the power-receiving resonator 32 and the power-receiving coil 31.