POWER SUPPLY APPARATUS

ABSTRACT OF THE DISCLOSURE

A power supply apparatus 1 mounted in a moving body 30 includes: a pickup coil 40 configured to generate induced electromotive force by an AC current flowing through a feeder line arranged along a moving route of the moving body 30; a power receiver 4 configured to convert an AC power into a DC power; a capacitor 5 connected to the output side of the power receiver 4; a circuit protector CP1 provided between (i) the power receiver 4 and the capacitor 5 and (ii) an electrical load LD; and an external power supply connector 7 provided to allow connection of a DC external power supply 6 to a first node N1 between the circuit protector CP1 and the electrical load LD.

[Figure 5]