

MOBILE POWER SUPPLY VEHICLE

Abstract

The present disclosure provides a mobile power supply vehicle capable of generating substantially constant-voltage AC power by driving an AC generator with a diesel engine. The present disclosure relates to a mobile power supply vehicle including: a base vehicle capable of traveling; a diesel engine and a choke controller connected to the engine; a PTO connected to the engine; an AC generator; a pulley connecting the PTO and the AC generator; an AVR connected to the AC generator and the engine; and a power generation control circuit connected to the AC generator, wherein the engine is used for traveling and for power generation by the AC generator, the power generation control circuit is capable of supplying, to a power-receiving-side device, AC power generated by the AC generator driven by the engine, the rotational speed of the AC generator is changeable in accordance with load fluctuation so that the voltage and frequency approach those set by the AVR, and the choke controller increases or decreases the engine rotational speed in response to a command from the AVR to maintain the AC generator at a prescribed rotational speed.

[FIG. 3]