

ABSTRACT OF THE DISCLOSURE

(Fig. 1)

POWER SUPPLY APPARATUS FOR ELECTRIC RAILROAD

A power supply apparatus for a direct-current type electric railroad includes a thyristor rectifier which performs functions of powering and regenerating, and a voltage ensuring rectifier
5 which is arranged parallel with the thyristor rectifier and outputs a direct-current voltage lower than that of the thyristor rectifier. Therefore, even when the output voltage of the thirstier rectifier
2 approaches zero, the voltage to the electric railcar is ensured, and a stoppage of the electric railcar due to operation of an
10 undervoltage operation is prevented.

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