POWER SUPPLY CONTROL SYSTEM AND POWER SUPPLY CONTROL METHOD

ABSTRACT

It is an object of the present invention to effectively use regenerated power generated in a train without uselessly consuming the regenerated power. In a power supply control system that controls supplied power to a train using a remote control apparatus 23 provided on a substation 2 side and a train-information managing apparatus 114 provided in a train 1, the train-information managing apparatus 114 transmits present train location information indicating a location where the train 1 is traveling and information concerning consumed/regenerated electric power amount calculated by using a wire voltage value/a main circuit current value to the remote control apparatus 23. The remote control apparatus 23 extracts, out of the input consumed/regenerated electric power amount information, based on the present train location information attached to the consumed/regenerated electric power amount information, consumed/regenerated electric power amount information concerning a train traveling in a power section as a control target, calculates a total value of the consumed/regenerated electric power amount information, and controls, based on the calculated total value of the consumed/regenerated electric power amount information, electric power amount supplied to the power section as the control target.

Fig. 2