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TAKAHASHI(10) **Pub. No.: US 2022/0352745 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **POWER SUPPLY SYSTEM**(71) Applicant: **Yazaki Corporation**, Tokyo (JP)(72) Inventor: **Atsushi TAKAHASHI**, Shizuoka (JP)(73) Assignee: **Yazaki Corporation**, Tokyo (JP)(21) Appl. No.: **17/705,853**(22) Filed: **Mar. 28, 2022**(30) **Foreign Application Priority Data**

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(57)

ABSTRACT

An objective of the present invention is to provide a power supply system which enables stabilization of power supply voltages of multiple areas and/or redundancy to be achieved with low costs. A power supply system includes a main battery for providing power and a sub-battery which is separate from the main battery and provides power. The power supply system further includes switching boxes in first to fourth areas as a plurality of power supply areas configured to be supplied with power from the main battery and sub-battery, the switching boxes switching on/off states of power supplies into the first to fourth areas from the main battery and from the sub-battery. Furthermore, the power supply system includes a control section for switching control of the on/off states for the switching boxes.

