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H02M 3/156 (2006.01)(72) Inventors: **Tatsuo Araki**, Kawasaki (JP); **Susumu Eguchi**, Kawasaki (JP); **Hironobu Kageyama**, Kawasaki (JP); **Takashi Satou**, Kawasaki (JP)(52) **U.S. Cl.**
CPC **H02M 3/156** (2013.01)(73) Assignee: **FUJITSU LIMITED**, Kawasaki-shi (JP)(57) **ABSTRACT**

A power supply device includes a power supply circuit configured to output different voltages to a plurality of output lines, a plurality of capacitors provided in correspondence with the plurality of output lines, one end of each of the plurality of capacitors being coupled to a corresponding output line of the plurality of output lines and an other end thereof being coupled to a ground potential, a plurality of diodes provided in correspondence with the plurality of output lines, anodes of the plurality of diodes being coupled to the corresponding output lines and cathodes thereof being commonly coupled, and a discharge resistor coupled to the cathodes of the plurality of diodes.

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