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(54) **JUMP STARTER WITH BATTERY
DETECTION FOR PROVIDING SAFETY**

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(57) **ABSTRACT**

A jump starter for charging or boosting a depleted or discharged battery, the jump starting device, including a rechargeable battery; a positive battery connector for connecting the jump starting device to a positive terminal of the battery; a negative battery connector for connecting the jump starting device to a negative terminal of the battery; a power switch for connecting the rechargeable battery to the depleted or discharged battery when connected to the jump starting device during charging operation of the depleted or discharged battery; a first detector for detecting presence of the depleted or discharged battery connected to the positive and negative battery connectors; and a second detector for detecting presence of the depleted or discharged battery connected to the positive and negative battery connectors.

