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(57) **ABSTRACT**

A battery pack active fuse control apparatus includes a battery management system and a shunt resistor, where the battery management system includes a short-circuit current detect circuit and a short-circuit current process circuit that are constantly powered. The shunt resistor and an active fuse are connected in series with a power supply loop of a battery pack. The short-circuit current detect circuit is connected to the shunt resistor and the short-circuit current process circuit. The short-circuit current process circuit is connected to the active fuse. The short-circuit current process circuit, upon receiving the short-circuit overcurrent signal, controls the active fuse to break.

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