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(54) **SOLID-STATE BATTERY, BATTERY MODULE, BATTERY PACK, AND RELATED DEVICE THEREOF**

(57) The present application provides a solid-state battery, a battery module, a battery pack, and a related device thereof. On a sulfide electrolyte layer and at least one polymer electrolyte layer provided on the surface of the sulfide electrolyte layer, a solid electrolyte satisfies the following conditions: the thickness of the sulfide electrolyte layer is greater than or equal to the thickness of the polymer electrolyte layer on one side and greater than or equal to 84.2-80.2w. According to the polymer electrolyte layer having the proper thickness in the present application, an interface infiltration effect between the current sulfide electrolyte layer and an electrode can be improved, the overall energy density of the battery cannot be seriously reduced, application defects of a sulfide electrolyte in the solid-state battery are over-

come to a great extent, and the cycle performance and the safety performance of the solid-state battery are improved.

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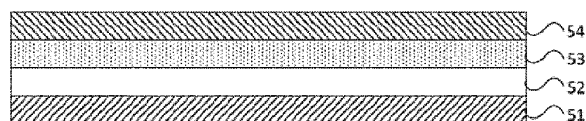


FIG. 1