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(54) **QUICK-CHARGING LONG-LIFE SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE**

(57) The present disclosure provides a fast charge long lifetime secondary battery, a battery module, a battery pack, and a power consumption device. Particularly, the present disclosure provides a secondary battery, comprising an electrode assembly and an electrolytic solution, the electrode assembly comprises a positive electrode plate, a negative electrode plate, and a separator, the positive electrode plate comprises a positive electrode tab, and the negative electrode plate comprises a negative electrode tab, wherein the positive electrode tab has the following temperature rise coefficient:

$$\alpha = \frac{C}{10\sqrt{S1}}$$

where S1 is a total cross-sectional area of the positive electrode tab, in unit of mm²; C is capacity of the electrode assembly, in unit of A.h; the electrolytic solution contains a heat stable salt and an additive that inhibits decomposition of the lithium salt.

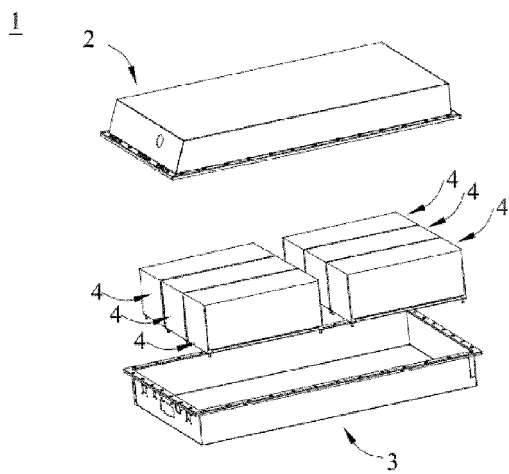


FIG. 5