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(54) **PROTECTION DEVICE FOR SECONDARY BATTERY AND BATTERY PACK INCLUDING THE SAME**

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(57) **ABSTRACT**

Disclosed are a protection device for a secondary battery in which two flux cores are embedded in a fusible element to be separated from each other and be disposed adjacent to fusible element electrodes on both sides of the fusible element so that it is not necessary to apply a flux onto the surface of the fusible element, a manufacturing process for uniformly applying the flux is eliminated to significantly reduce a manufacturing cost, a first flux core and a second flux core embedded in the fusible element attract fused matters of the fusible element toward the fusible element electrodes on both sides of the fusible element when the fusible element is fused, to improve the fusing performance of the fusible element, and a current path is reliably cut off after the fusible element is fused.