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(54) **ELECTRODE ASSEMBLY AND  
MANUFACTURING METHOD THEREOF,  
BATTERY CELL, BATTERY, AND ELECTRIC  
APPARATUS**

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**ABSTRACT**

An electrode assembly includes a first electrode plate, and separators provided on two sides of the first electrode plate in a thickness direction of the first electrode plate and stacked with the first electrode plate. In an unfolded state of the electrode assembly, a separator has a first edge portion exceeding an end of the first electrode plate in a length direction of the separator, and a second edge portion exceeding an end of the first electrode plate in a height direction of the separator. In the thickness direction of the first electrode plate, the corresponding first edge portions on two sides of the first electrode plate are at least partly hot-melt connected to form a first hot-melted segment, and the corresponding second edge portions on two sides of the first electrode plate are at least partly hot-melt connected to form a second hot-melted segment.

