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(54) **LITHIUM SECONDARY BATTERY**

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ABSTRACT

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A lithium secondary battery includes a positive electrode, and a negative electrode in which deposition and dissolution reactions of lithium metal occur. The negative electrode includes a negative electrode layer. The negative electrode layer contains, as a negative electrode active material, an alloy of the lithium metal and dissimilar metal. An element percentage of lithium element in the alloy is 40.00 atomic % or more and 99.97 atomic % or less when the lithium secondary battery is fully charged.

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