



US 20230231117A1

(19) **United States**(12) **Patent Application Publication**
TAKAYANAGI et al.(10) **Pub. No.: US 2023/0231117 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **NEGATIVE ELECTRODE MATERIAL,
NEGATIVE ELECTRODE, LITHIUM
SECONDARY BATTERY, AND
MANUFACTURING METHOD FOR
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010722, filed on Mar. 10, 2022.(30) **Foreign Application Priority Data**

Mar. 12, 2021 (JP) 2021-040663

Publication Classification(51) **Int. Cl.****H01M 4/36** (2006.01)
H01M 4/40 (2006.01)
H01M 4/04 (2006.01)
H01M 10/0569 (2006.01)
H01M 10/44 (2006.01)
H01M 4/58 (2006.01)(52) **U.S. Cl.**CPC **H01M 4/366** (2013.01); **H01M 4/405**
(2013.01); **H01M 4/0404** (2013.01); **H01M**
10/0569 (2013.01); **H01M 10/446** (2013.01);
H01M 4/58 (2013.01); **H01M 2004/027**
(2013.01)

(57)

ABSTRACT

A negative electrode material that is used for a negative electrode of a lithium secondary battery containing a non-aqueous electrolyte solution, includes: a first layer that contains lithium metal as a negative electrode active material; and a second layer that is arranged on at least one surface of the first layer. The second layer consists of a compound represented by a general formula M_xA_y , (M is an element selected from a group consisting of Al, In, Mg, Ag, Si, and Sn, and A is an element selected from a group consisting of O, N, P, and F, and $0.3 < x/y < 3$). The second layer has a thickness of 100 nm or less.

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