



US 20230231185A1

(19) **United States**

(12) **Patent Application Publication**
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(10) **Pub. No.: US 2023/0231185 A1**

(43) **Pub. Date: Jul. 20, 2023**

(54) **POSITIVE ELECTRODE LAYER, METHOD FOR MANUFACTURING POSITIVE ELECTRODE LAYER, AND ALL SOLID-STATE BATTERY**

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(21) Appl. No.: **17/994,448**

(22) Filed: **Nov. 28, 2022**

(30) **Foreign Application Priority Data**

Jan. 20, 2022 (JP) 2022-007009

Publication Classification

(51) **Int. Cl.**

H01M 10/0562 (2006.01)

H01M 4/485 (2006.01)

H01M 4/04 (2006.01)

H01M 10/0525 (2006.01)

(52) **U.S. Cl.**

CPC **H01M 10/0562** (2013.01); **H01M 4/485**

(2013.01); **H01M 4/0407** (2013.01); **H01M**

10/0525 (2013.01); **H01M 2004/028** (2013.01)

(57)

ABSTRACT

In the present disclosure, a positive electrode layer used in an all-solid-state battery includes a positive electrode active material, a sulfide solid electrolyte, and a coated sulfide solid electrolyte having a coating layer covering a surface of the sulfide solid electrolyte and containing a metal sulfate, and in an S2p spectrum obtained by X-ray photoelectron spectroscopy (XPS) on the coated sulfide solid electrolyte, a ratio (P2/P1) of an intensity P2 of a peak appearing near 163 eV to an intensity P1 of a peak appearing near 167 eV is 0.15 or more and less than 0.36, thereby solving the above problem.

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