



(12) **Patent Application Publication**
MATSUMASA et al.

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

Publication Classification

H01M 50/54 (2006.01)

(52) **U.S. Cl.**
CPC *H01M 50/536* (2021.01); *H01M 50/54*
(2021.01); *H01M 50/533* (2021.01)

(57) **ABSTRACT**

Provided is a technique to reduce voids between an electrode tab and a current collecting unit in a portion where the electrode tab and the current collecting unit are welded. The secondary battery manufacturing method disclosed herein is a method of manufacturing a secondary battery including an electrode body having an electrode tab and a current collecting unit electrically connected to the electrode body. This method includes: welding between the electrode tab and the current collecting unit, by sandwiching the electrode tab between a transparent material and the current collecting unit and then applying laser to penetrate the transparent material.

(22) Filed: **Jan. 6, 2023**

(30) **Foreign Application Priority Data**

Jan. 14, 2022 (JP) 2022-004382

