



US 20240213446A1

(19) **United States**(12) **Patent Application Publication**
JEONG et al.(10) **Pub. No.: US 2024/0213446 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **ANODE FOR LITHIUM SECONDARY
BATTERY, METHOD OF MANUFACTURING
THE SAME AND LITHIUM SECONDARY
BATTERY INCLUDING THE SAME****H01M 4/36** (2006.01)**H01M 4/48** (2006.01)**H01M 4/583** (2006.01)**H01M 4/62** (2006.01)**H01M 10/052** (2006.01)**H01M 10/42** (2006.01)(71) Applicants: **SK ON CO., LTD.**, Seoul (KR); **SK
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(2013.01)

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Dec. 19, 2022 (KR) 10-2022-0177963

Publication Classification(51) **Int. Cl.****H01M 4/134** (2006.01)**H01M 4/133** (2006.01)**H01M 4/1393** (2006.01)**H01M 4/1395** (2006.01)

(57)

ABSTRACT

An anode active material for a secondary battery includes an anode current collector, and an anode active material layer on at least one surface of the anode current collector. The anode active material layer includes an anode active material and an anode binder. The anode active material includes a composite particle that includes a silicon-based active material particle and a solid electrolyte interphase (SEI) layer formed on at least a portion of a surface of the silicon-based active material particle. An F-density defined by Equation 1 is 23% or less.

