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(19) **United States**(12) **Patent Application Publication****LEE et al.**(10) **Pub. No.: US 2023/0231220 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **SECONDARY BATTERY AND METHOD OF MANUFACTURING THE SAME**(71) Applicant: **Samsung SDI Co., Ltd.**, Yongin-si (KR)(72) Inventors: **Hyun Soo LEE**, Yongin-si (KR); **Jun Sun YONG**, Yongin-si (KR)(21) Appl. No.: **17/901,574**(22) Filed: **Sep. 1, 2022**(30) **Foreign Application Priority Data**

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(57)

ABSTRACT

A secondary battery includes: an electrode assembly; a case accommodating the electrode assembly, the case having a bottom surface and long and short sidewalls that extend upwardly from the bottom surface; a cap plate coupled to an upper portion of the case and sealing the case; and an insulation member attached to an outer surface of the case. The insulation member includes a first layer in contact with the outer surface of the case and made of a heat-resistant material, a third layer exposed to the outside and made of a stretchable material, and a second layer between the first and third layers and made of an insulating material.

