



US 20240213535A1

(19) **United States**(12) **Patent Application Publication****LEE et al.**(10) **Pub. No.: US 2024/0213535 A1**(43) **Pub. Date: Jun. 27, 2024**

(54) **ELECTROLYTE SOLUTION FOR RECHARGEABLE LITHIUM BATTERY AND RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME**

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(21) Appl. No.: **18/489,734**

(22) Filed: **Oct. 18, 2023**

(30) **Foreign Application Priority Data**

Dec. 15, 2022 (KR) ..... 10-2022-0176213

**Publication Classification**

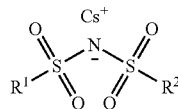
(51) **Int. Cl.**  
**H01M 10/0567** (2006.01)  
**H01M 10/0525** (2006.01)

(52) **U.S. Cl.**  
CPC ... **H01M 10/0567** (2013.01); **H01M 10/0525** (2013.01)

(57) **ABSTRACT**

An electrolyte solution for a rechargeable lithium battery includes a non-aqueous organic solvent, a lithium salt, and an additive, where the additive includes a first compound that is  $\text{CsPF}_5$  or a compound represented by Chemical Formula 1, a second compound represented by Chemical Formula 2, and a silver salt. In addition, a rechargeable lithium battery including the electrolyte solution is also provided.

Chemical Formula 1



Chemical Formula 2

