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(19) **United States**(12) **Patent Application Publication****JUNG et al.**(10) **Pub. No.: US 2023/0231235 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **CYLINDRICAL SECONDARY BATTERY****H01M 50/183**

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A cylindrical secondary battery includes: an electrode assembly including a first electrode plate and a second electrode plate; a can having a bottom portion and a cylindrical side portion, accommodating the electrode assembly, and electrically connected to the first electrode plate; and a cap assembly. The cap assembly includes: a cap plate coupled to one end of the side portion of the can and electrically connected to the second electrode plate; a gasket insulating the cap plate and the side portion from each other; and a sub-plate covering at least a portion of the cap plate and at least a top portion of the side portion.

