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OGITA et al.(10) **Pub. No.: US 2023/0231199 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **SECONDARY BATTERY AND VEHICLE
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(2013.01); **H01M 2300/0034** (2013.01)(57) **ABSTRACT**

An object is to provide a nonaqueous solvent, a secondary battery, or a vehicle having a wide usable temperature range and high heat resistance. The nonaqueous solvent of the present invention contains an ionic liquid at greater than or equal to 50 vol % and less than or equal to 95 vol % and a fluorinated cyclic carbonate, and the ionic liquid contains an imidazolium cation. The nonaqueous solvent of the present invention has low viscosity at low temperatures and high heat resistance, thereby having a wide usable temperature range.

