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**ZILLES et al.**(10) **Pub. No.: US 2024/0213854 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **LIQUID-COOLED AXIAL FLUX MACHINE****Publication Classification**(71) Applicant: **Baum Mueller Nuernberg GmbH**,  
Nuernberg (DE)(72) Inventors: **Nathalie ZILLES**, Nuernberg (DE);  
**Uwe KOSTKA**, Nuernberg (DE)(73) Assignee: **Baum Mueller Nuernberg GmbH**,  
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**ABSTRACT**

A liquid-cooled axial flux machine with a rotatable rotor and a ring-shaped stator arranged around the axis, which are offset from each other parallel to the axis. The stator is located in a first space of a housing and the rotor in a second space of the housing, which are separated from each other by a separating disc and fluidically separated from each other. Furthermore, a motor vehicle is provided.

