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**TSUCHIYA et al.**(10) **Pub. No.: US 2024/0178719 A1**(43) **Pub. Date: May 30, 2024**(54) **MOTOR****Publication Classification**(71) Applicant: **TOYOTA JIDOSHA KABUSHIKI**  
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**KAISHA**, Toyota-shi (JP)(57) **ABSTRACT**

A motor may include a rotor; a stator comprising a stator core and a coil; a housing that houses the rotor and the stator; and a first annular member that provides a seal between a first end face of the stator core in an axial direction of the stator core and an inner wall surface of the housing. The first annular member may have a cylindrical shape about an axis of the stator core. The first annular member may include at least one first hole and at least one second hole through which refrigerant is injected toward a first coil end. The at least one first hole may be located on a first plane perpendicular to the axis. The at least one second hole may be located on a second plane that is perpendicular to the axis and spaced apart from the first plane in the axial direction.

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