

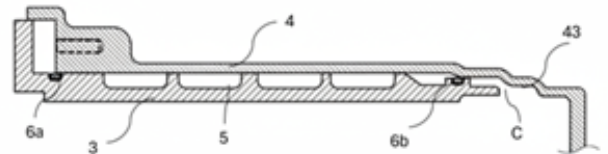
This patent relates to an e-Axle mounted on a new type of BEV, as introduced in this technical report.

2. ROTATING ELECTRIC MACHINE

(Fig. 2)

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cylindrical surface or the second sealing member contacts the second cylindrical surface before the end portion of the inner housing contacts the third cylindrical surface. This configuration enables the inner housing to be centered prior to its press-fitting. Consequently, during assembly of the inner and outer housings, the end portion of the inner housing can be press-fitted without the inner housing tilting relative to the outer housing.



【SUMMARY OF THE INVENTION】

[Problem] In conventional rotating electric machines, if the end portion of the inner housing is not properly centered during press-fitting, the inner housing may be press-fitted into the outer housing in a tilted state, potentially leading to coolant leakage from the sealing portion.

[Solution] According to the present invention, when the inner housing 3 is inserted into the outer housing 4, at the point when the first sealing member 6a contacts the first cylindrical surface and the second sealing member 6b contacts the second cylindrical surface, an axial gap C is formed between the end portion of the inner housing and the third cylindrical surface 43. This configuration ensures that the first sealing member contacts the first

Fig. 2