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ABSTRACT

HYDRODYNAMIC BEARING DEVICE

An object of the present invention is to provide a hydrodynamic bearing device which has an improved construction to prevent a lubricating fluid from scattering out of a dynamic pressure generating portion. The hydrodynamic bearing device of the present invention is characterized in that a radial spacing Δd of a gap at an open end of a thrust-side dynamic pressure generating portion is set greater than a spacing 26 of the thrust-side dynamic pressure generating portion as measured with respect to the thrust direction. With this arrangement, the scattering of the lubricating fluid from the open end of the thrust-side dynamic pressure generating portion is prevented even when the hydrodynamic bearing device is operated at a high rotation speed in a high temperature environment.

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