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DYNAMIC PRESSURE BEARING DEVICE

ABSTRACT

A dynamic pressure bearing device includes a dynamic pressure bearing member, a rotary member that is rotatable with respect to the dynamic pressure bearing member, a thrust dynamic pressure bearing section provided in a thrust opposing region that is
5 between an end surface in an axial direction of the dynamic pressure bearing member and an end surface in the axial direction of the rotary member, and a pumping device provided in the thrust opposing region. The thrust dynamic pressure bearing section rotatably supports the rotary member in the axial direction of the rotary member, and the pumping device provided in the thrust opposing region pressurizes a lubricating fluid inside the
10 thrust opposing region inwardly in a radial direction, wherein the pumping device generates an inward pressurizing force larger than a rotational centrifugal force applied to the lubricating fluid within the thrust opposing region during rotation.