

ABSTRACT

The present disclosure relates to a wind power propulsion system and a ship provided with the same, and in the wind power propulsion system of the present disclosure including a stator, a rotor, a driving part, and a lower bearing part, the driving part includes a gearbox in which a driving shaft rotated by a motor, a driving gear provided on the driving shaft, a driven gear that meshes with the driving gear and rotates, and a first driven shaft coupled to the driven gear to support rotation of the driven gear are built-in, and installed inside the stator, and a bearing housing connected to the first driven shaft by a coupling member and configured to hold a second driven shaft transmitting rotational force to the disk, and the rotor includes a lower rotor provided with a ring-shaped first edge panel having a space for accommodating the disk and extending a certain length inwardly at an upper end, an upper rotor provided with a ring-shaped second edge panel having a space for accommodating the disk and extending a certain length inwardly at a lower end, and a coupling member for coupling the lower rotor, the upper rotor, and the disk.

FIG. 9