

ABSTRACT

The present disclosure relates to a wind power propulsion system and a ship provided with the same. A wind power propulsion system of the present disclosure includes a stator provided perpendicular to a deck;
5 a rotor provided in a form of a cylinder to wrap around an outer side of the stator; a driving part configured to transmit rotational power to the rotor through a disk connected to the rotor; and a lower bearing part installed in a lower part of the rotor to suppress lateral movement of the rotor, wherein the lower bearing part is composed of an assembly of
10 bearing units, at least a portion thereof is installed along an edge of a window provided at a predetermined interval at a location where the bearing unit is installed inside the stator, and the lower bearing part includes a joint part configured to support a guide bearing for guiding rotation of the rotor to the stator.

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FIG. 18