

Abstract

Propulsion Unit for a Ship

This invention provides a propulsion unit for a ship with a new structure that is able to propel the ship without using a propeller.

It is characteristic for the propulsion unit for a ship (10) that it has the propulsion unit's main body (12) that rotates around the rotation axis X, extending along the propulsive direction of the ship, the inlet port (16) set on the surface of the propulsion unit's main body (12), the outlet port (18) set on the surface of the propulsion unit's main body (12), and the circulation path (20) connecting the inlet port (16) and outlet port (18), and that the inlet port (16) is set ahead of the outlet port (18) in the propulsive direction, the outlet port (18) is set on the outer side of the inlet port in the radial direction from the aforesaid rotation axis, the circulation path (20) inclines backwards from the propulsive direction at least at the opening part of the outlet port (18), and by discharging water from the outlet port (18), which is absorbed at the inlet port (16), by the rotation around the rotation axis of the propulsion unit's main body (12), the ship (100) is propelled.

FIG. 1