HYDRO-PROPULSION DEVICE

ABSTRACT

The present invention provides a hydro-propulsion device whereby the device is propelled due to physical actions of an operator of the device. A hydro-propulsion mechanism **(100, 200)** which is integrated in a hull of the device comprises a drive chamber **(102)**, at least one inlet port **(103)**, an outlet port **(104)**, a shaft **(108)** with a pusher platform **(110)**, and a collapsible diaphragm or two plates **(107)**. When a force is applied to the pusher platform **(110)**, the shaft **(108)** slides downward and causes the initially collapsed diaphragm **(107)** to be radially expanded. The downward motion of the radially expanded diaphragm **(107)** causes an exertion of pressure force to expel an optimal volume of water within the chamber to the outside environment through the outlet port **(104)** as a jet of water. The release of the pressurized water to the outside environment resulted in a forward thrust on the device.

FIG. 1a accompanies the abstract.