

ABSTRACT

AN UNDERWATER THRUSTER TILTING DEVICE

The present invention provides an underwater thruster tilting device comprising: a fixed base plate, four rotatable support seats uniformly fixed on the fixed base plate, two first rotatable connectors rotatably connected to two rotatable support seats located at the rear of the fixed base plate, two second rotatable connectors rotatably connected to the other two rotatable support seats located at the front of the fixed base plate, a first rotatable connector shaft wherein both ends of the first rotatable connector shaft are rotatably connected with the two first rotatable connectors, a second rotatable connector shaft wherein both ends of the second rotatable connector shaft are rotatably connected with the two second rotatable connectors, a deceleration motor fixed on the fixed base plate, a first chain drive assembly and a second chain drive assembly. The underwater thruster tilting device has extended ends of each of the first rotatable connectors and each of the second rotatable connectors fixed with underwater thrusters, wherein an output shaft of the deceleration motor is connected with the first rotatable connector shaft through the first chain drive assembly, and the first rotatable connector shaft is connected with the second rotatable connector shaft through the second chain drive assembly. The present invention can improve the maneuverability and working efficiency of the underwater intelligent equipment.

Figure 1