

ABSTRACT

The present invention discloses a portable overwater-underwater dual-purpose search-and-rescue position indicating beacon and a position indicating method, comprising a positioning device, a microcontroller, an AIS transmitting device and an underwater acoustic transduction device, wherein the positioning device is connected with the microcontroller for acquiring current position information and sending the same to the microcontroller; the microcontroller receives the position information sent by the positioning device and sends the position information to the AIS transmitting device; the AIS transmitting device is connected with the microcontroller, receives the position information sent by the microcontroller and transmits the position information to the outside at a preset time interval; and the underwater acoustic transduction device is used for sending an acoustic signal. The search-and-rescue position indicating beacon and the position indicating method of the present invention can be applied to solve the problem that the existing search-and-rescue position indicating beacon fails to indicate the positions at both overwater and underwater, so as to facilitate rescue workers to rescue persons in need of rescue.

Figure 1