

ABSTRACT

The present invention relates to a floating-type on-water support apparatus, and more specifically, to a floating-type on-water support apparatus configured to maintain horizontality of a heavy offshore structure and support the heavy offshore structure. According to an aspect of the present invention, there is provided a floating-type on-water support apparatus including a ball, a floating unit, a support rod, and a base unit. The floating unit includes a floating part, wherein the floating part has an upper plate supporting the ball so that the ball is rotatable, an interior formed to be hollow, and a lower plate provided with a spherical surface portion and floats on water. One end of the support rod is exposed above the water so that a structure is installable thereon and the other end thereof is heavier than the one end so as to stand vertically to be accommodated in the floating part, and the support rod is coupled to the ball. One end of the base unit is installed on a lower portion of the support rod to support the support rod and the other end thereof is in roll contact with the spherical surface portion. According to the present invention, the base unit supports the support rod from the lower plate of the floating part. Accordingly, since a load applied to the support rod is supported on the upper plate and the lower plate of the floating part, an excessive load is prevented from being applied to the upper plate.

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