

ABSTRACT

A buoy system and a method of assembling a buoy system. The buoy system comprises: a buoy, comprising: a frame defining a buoyancy axis; and at least one float module coupled to the frame; and at least one payload module detachably coupleable to a periphery of the buoy along a radial axis, wherein the radial axis is orthogonal to the buoyancy axis. The method comprises: providing a buoy, the buoy comprising a frame defining a buoyancy axis; and at least one float module coupled to the frame; attaching at least one payload module to a periphery of the buoy along a radial axis, wherein the radial axis is orthogonal to the buoyancy axis. The at least one float module may also comprise at least one intermediate frame which is swappable with a replacement piece by a user upon sustaining wear and tear during operation.

(FIG. 1)