

A FLOATING PLATFORM

Abstract

This document describes a floating platform that has a buoyant structure that is less exposed to hydrodynamic forces induced by environmental elements such as wave, wind and current. Being of lattice type (space frame) construction, the buoyant structure, which comprises of space frame trusses, is structurally light, rigid, durable and additionally able to handle heavy payloads. In particular, the floating platform comprises a buoyant structure that is provided with a horizontal planar deck whereby the buoyant structure may be connected to other buoyant structures to increase the load handling capability of the floating platform. Additionally, the buoyant structure comprises groups of diagonal tubular members arranged transversely in the vertical plane and connected to each other via a matrix of highly buoyant tubular members arranged longitudinally in the horizontal plane. These are interconnected using connecting nodes to achieve the desired hydrostatic, hydrodynamic and structural properties.

FIGURE 1