

A CONNECTOR SYSTEM FOR A MODULAR FLOATING PLATFORM

ABSTRACT OF THE DISCLOSURE

The invention concerns a connector system for modular pontoons to perform a rigid connection between adjacent pontoons and form a larger floatable structure. The pontoon modules are each formed as hollow buoyant hulls with recesses in the wall for receiving parts of the connector system. The connector system employs a locking bar mounted in a lower part of the recess. The locking bar carries a pair of guiding members to facilitate engagement of the locking bar by a locking key. An engagement plate is secured in the recess above the locking bar. The engagement plate is provided with a slot extending from a front edge thereof a distance toward a central wall of the recess. A locking key has a main body operable to frictionally engage within the engagement plate slot and a lower portion operable to matingly engage locking bars of adjacent ones of the modular pontoons. An upper plate secured transversely on the main body engages with the engagement plate top surface and can be secured thereto by bolts, studs and other such means. A corner locking member connects the corners of the adjacent modular pontoons to further ensure rigid connection between the adjacent modular pontoons. As a result, both lower and upper portions of the hulls are secured together allowing to form a floatable structure made up of several modules.

See Fig. 6



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