Title (en)

Modular floating system and a method of its manufacture

Title (de)

Modulares treibendes System und Herstellungsverfahren

Title (fr)

Système modulaire de flottement et son procédé de fabrication

Publication

EP 2138393 A1 20091230 (EN)

Application

EP 09460031 A 20090622

Priority

PL 38549608 A 20080623

Abstract (en)

A modular floating system according to the invention comprises the sets of complementary elements designed so as to be coupled tightly into a form of void floatable containers with solid walls. The containers are equipped with the connecting means for construction of floating structures like platforms, wharfs, piers or bridges. These connecting means may provide whole structure with some resiliency that may be required to answer changing levels and movements of water. Another type of connecting means may provide rigid connections stiffening whole structure which may be preferred for the structures installed on-shore or off-shore on the floor of the sea, lake, river or channel. In the latter case the containers shall be filled with water, sand, stones, concrete, iron ore and the like. The main feature of the invention is in that particular elements constituing the containers are provided with the antijamming means preventing dismantled identical elements from jamming during storage in pile. The role of the antijamming means is twofold. Firstly, it is to prevent from direct contact between faying surfaces of the containers, resulting in adhesion of contacting surfaces. Secondly, it is to provide the passages necessary for the air flow during taking off the element from the stack. In one embodiment the container body is formed from complementary bottom part (1) and upper cover (3), where the bottom part (1) has a shape of two reversed similar truncated pyramids arranged vertically, with principally rectangular horizontal cross-sections. The upper principally rectangular base of the minor truncated pyramid is lesser in size than the lower principally rectangular base of the bigger truncated pyramid and these two principally rectangular bases are joined by an antijamming intermediate joining part of the side wall of the bottom part (1). The upper cover (3) is principally rectangular as well, and it fits the upper base of the bigger truncated pyramid and it is provided with means securing water and air tightness of coupling.

IPC 8 full level

B63B 35/38 (2006.01); **B65D 21/02** (2006.01)

CPC (source: EP)

B63B 35/38 (2013.01)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2138393 A1 20091230; **EP 2138393 B1 20150902**; PL 2138393 T3 20151231; PL 215842 B1 20140228; PL 385496 A1 20081222

DOCDB simple family (application)

EP 09460031 A 20090622; PL 09460031 T 20090622; PL 38549608 A 20080623