

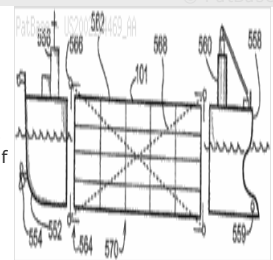
1) Family number: 28247308 (US2002104469A)

PRECAST MODULAR CONCRETE SHAPES AND METHODS OF INSTALLATION TO FORM SHORELINE STABILIZATION, MARINE AND TERRESTRIAL STRUCTURES

Abstract: Source: US2002104469A Novel precast concrete boxes which can be assembled together and/or with structural shapes disclosed in U.S. Pat. No. 5,697,736 to form waterfront structures such as seawalls, boathouses and the like. The boxes can be sized and proportioned so as to be conveniently assembled in such structures and to be easily transported via intermodal transportation media. Novel methods of waterborne transport and installation of the boxes are disclosed. Shellfish habitats based upon the boxes are also disclosed.

Probable Assignee: RESOLVE MARINE GROUP INC

Earliest Publication Date: 20020808



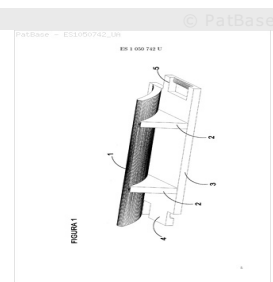
2) Family number: 34668024 (ES1050742Y)

MODULO PREFABRICADO PARA PROTECCION DE PLAYAS, COSTAS, RIBERAS Y PARA LA CONSTRUCCION DE DIQUES, MUELLES Y CANALIZACIONES.

Abstract: Source: ES1050742U 1. Un modulo prefabricado para proteccion de playas, costas, riberas y para la construccion de diques, muelles y canalizaciones, caracterizado por estar constituido por 4 partes; la cara semicircular(1), los nervios de union (2), la base (3) y los anclajes (4) y (5). 1. A prefabricated module for protection of beaches, coasts, banks and for the construction of dams, springs and pipes, characterized by being constituted by 4 parts; the semicircular face(1), the ribs (2), the base (3) and the anchors (4) and (5).

Probable Assignee: CONESA VALMANA MANEL

Earliest Publication Date: 20020516



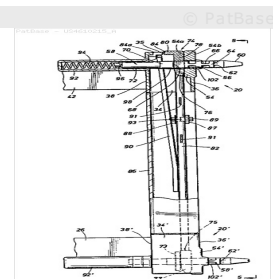
3) Family number: 7578820 (US4610215A)

CONSTRUCTION COMPONENTS WITH IMPROVED LOCKING SYSTEM

Abstract: Source: US4610215A A construction component has a plurality of male and female lock assemblies for engagement with female and male lock assemblies of a similar construction component for locking the two components together. The male lock assemblies are arranged in vertical tandem pairs, as are the female lock assemblies. Each of the male lock assemblies includes a rigid pin which is reciprocable with respect to the component between an advanced position and a retracted position. Each female lock assembly defines a socket opening and includes a transversely reciprocable lock for locking a pin in the socket opening. The male lock assembly includes a similar transversely reciprocable lock adapted to lock the pin in at least one of, and preferably both of, its two positions. The locks of each tandem pair of assemblies are connected for joint movement and are adapted so that, when lowered, the lower lock engages its respective pin before the upper lock engages its pin. The structural component is in the form of a rectangular parallelepiped with gross dimensions corresponding to those of a standard freight container. All parts of the lock assemblies are retained against separation and are designed to lie generally within such gross dimensions, so as not to interfere with handling of the construction component in the manner of a standard freight container.

Probable Assignee: ROBISHAW ENGINEERING INC

Earliest Publication Date: 19860310



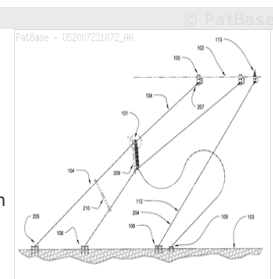
4) Family number: 38525885 (US2007231072A)

SUBMERSIBLE TETHERED PLATFORM FOR UNDERSEA ELECTRICAL POWER GENERATION

Abstract: Source: US2007231072A A submersible and remotely-operable platform system for carrying out repeated operations in a submarine position, and producing electrical energy as either a primary or secondary purpose by means of one or more energy-conversion payload devices installed thereon. The platform and payload devices may be periodically brought to the surface and thence, if necessary, to a shore-based facility for maintenance or refit. In deployment, the platform is preferably engaged to its mooring lines and electrical cables while still on the surface. Simultaneous with controlled flooding of certain of its volumes, the platform is guided to an operational depth and attitude by the action of its winch assemblies upon their engaged mooring lines. Subsea currents energize the platform's payload of energy conversion devices, the electrical output being preferably conveyed via one or more surface-attached cables to an off-board facility for further processing, distribution, or consumption.

Probable Assignee: JENNINGS CLIFFORD ALLEN

Earliest Publication Date: 20071004



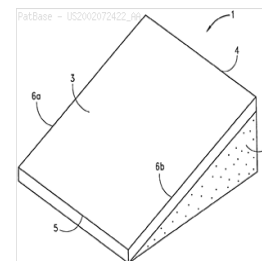
5) Family number: 45041917 (US2002072422A)

CONTAINERLESS SHEET FLOW WATER RIDE

Abstract: Source: US2002072422A A water ride attraction is disclosed which utilizes a containerless riding surface to eliminate disadvantageous boundary layer effects. A sheet flow of water is directed up the incline to produce a simulated wave. The configuration and contour of the riding surface and the various flow parameters can be widely varied to produce numerous desirable wave conditions.

Probable Assignee: LIGHT WAVE LTD

Earliest Publication Date: 19881220



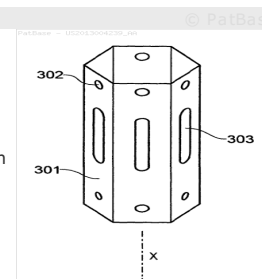
6) Family number: 44427086 (US2013004239A)

PILE WALL SYSTEM, PILE AND METHOD OF INSTALLATION

Abstract: Source: US2013004239A The invention relates to a pile wall system, pile, and method of installation. A pile adapted to be used in a wall system with at least one other pile. Hexagonal polygonal tubes assembled from chevron panels make up the piles. The panels and piles are held together with through connectors. The pile wall system is easily made by stacking the panels against each other and bolting them together. It is just as easily taken apart.

Probable Assignee: ROBERTS MATTHEW W L

Earliest Publication Date: 20110616



7) Family number: 55114610 (US2013294837A)

AREA BUBBLE PLUME OIL BARRIERS

Abstract: Source: US2013294837A There is disclosed systems and methods for barring the advance of an oil spill from one area to another, or for corralling such an oil spill. The systems provide area bubble plumes of air that remain coherent to reaching the surface, in contrast to previous bubble curtains under waves. The area bubble plume may be formed by a plurality of parallel sparger elements that provide a wide plume of bubbles, and are suspended below the surface no more than 10 m. The sparger elements may be mounted in a matrix of structural support members. A series of discrete segments of the system can be connected together to form a flexible chain. The connected segments are desirably coiled around the spool on the rear end of a vessel for easy deployment. The sparger elements are desirably tubular and made of the porous, resistive material that requires a greater luminal pressure than the exterior pressure to create fine bubbles.

Probable Assignee: BUBBLEOLOGY RESEARCH INT LLC

Earliest Publication Date: 20131107

