

Title (en)

MANIPULATING ROBOTIZED MODULAR SYSTEM FOR RAISING PARTS OF THE VESSEL OR EQUIPMENT FROM LARGE SEA DEPTHS

Title (de)

ROBOTERARTIGES MODULARES HANDHABUNGSSYSTEM ZUM BERGEN VON SCHIFFSTEILEN UND AUSRÜSTUNGSGEGENSTÄNDEN AUS GROSSEN TIEFEN

Title (fr)

SYSTEME MODULAIRE ROBOTISE DE MANIPULATION SERVANT A SOULEVER DES PIECES D'UN NAVIRE OU UN EQUIPEMENT A PARTIR DES PROFONDEURS MARINES

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Application

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Priority

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Abstract (en)

[origin: WO2004065206A1] This invention refers to the manipulating robotized modular system for raising parts of the vessel or equipment from sea depths deeper than 120m, consisting of minimum one base module (1,21,31) mounted on the housing (12) with locomotor organs (13, 13') for sea bed works. The base module (1, 21, 31) is of parallelepiped shape, executed as a frame structure with supports (2,2',3,3'). Within the frame structure of module (1) are four ballast tanks (5), four liquid fuel tanks (8) and four tanks with compressed air (10). Valves (6,7) are on tanks (5) which are connected to tanks (8,10) via valves (9, 11). Both front and rear ends of the module (1) and modular system (20, 30) are equipped with a turbine unit (22,22',32,32') for underwater motion and maintenance of stability in diving. One alternative of the system (20) is made of 4 base modules (21) and 4 superstructure modules (21') mounted on the base modules (21). The invention includes two more alternatives.

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IPC 8 full level

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