

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11) **EP 0 930 225 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 28.06.2000 Bulletin 2000/26

(51) Int. Cl.⁷: **B63B 29/02**, B63B 9/06, B63B 3/04

(43) Date of publication A2: 21.07.1999 Bulletin 1999/29

(21) Application number: 99300305.2

(22) Date of filing: 18.01.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 19.01.1998 FI 980095

(71) Applicant:

KVAERNER MASA-YARDS OY 00150 Helsinki (FI)

(72) Inventors:

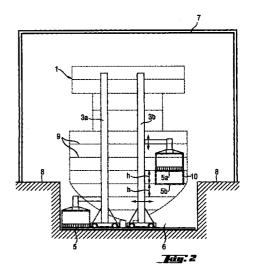
 Kontro, Veli-Matti 02360 Espoo (FI)

- Säikkö, Juhani 00980 Helsinki (FI)
- Taiminen, Pekka
 00310 Helsinki (FI)
- Elfström, Peter 00100 Helsinki (FI)
- (74) Representative:

Hanson, William Bennett J.Y. & G.W. Johnson, Kingsbourne House, 229-231 High Holborn London WC1V 7DP (GB)

(54) Ship building method

(57) In a building method for a large multideck structure(1) such as a passenger ship, at least one intermediate space is formed in the structure by at least partly dividing the structure (1) in at least two parts. A transport or transfer system, for example comprising a tower crane (3a, 3b) and a lifting platform (5, 5a, 5b) is provided for delivering furnishings and equipment to desired decks (9) of the structure through the intermediate space. The structure (1) is then assembled into an integral unit, either by combining or completing the separated parts. The method is carried out at a building site such as a building berth (6).





EUROPEAN SEARCH REPORT

Application Number EP 99 30 0305

Category	Citation of document with inc of relevant passa	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
X	A GROUP OF AUTHORITI construction" 1969 , THE SOCIETY O MARINE ENGINEERS , N XP002136595	1-9	B63B29/02 B63B9/06 B63B3/04	
Υ	* page 469, paragrap paragraph 7.3; figur		10	
X	pages 710-711, XP002	ember 1975 (1975–09), 136594 BLUMENFELD. HAMBURG.,	1-9	
X	GB 2 001 014 A (STOO ADOLFA WARSKIEGO) 24 January 1979 (197 * the whole document	/9-01-24)	1-5	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
X	 FR 2 157 633 A (SWAN HUNTER GROUP LTD ET AL) 1 June 1973 (1973-06-01) * page 6, line 14 - line 31; figures 4-6 *		1,2,4,5	B63B
X	US 3 397 663 A (ITO) 20 August 1968 (1968 * column 2, line 51 figures 1-8 *	1-5		
X	DE 41 08 122 A (BLOF 17 September 1992 (1 * the whole document	1,2,4,5		
X	US 1 891 602 A (NEIL 20 December 1932 (19 * the whole document	1,2,4		
		-/		
	The present search report has b	Date of completion of the search		Examiner
Place of search THE HAGUE		28 April 2000	•	
X:par Y:par doc	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with anoth ument of the same category inclogical background	T : theory or principl E : earlier patent do after the filing de er D : document cited i L : document cited f	cument, but public te in the application or other reasons	lished on, or



EUROPEAN SEARCH REPORT

Application Number

EP 99 30 0305

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
Υ	EP 0 404 431 A (KORDALS 27 December 1990 (1990- * page 3, line 46 - lin	12-27)	10		
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)	
	The present search report has been di	rawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
THE HAGUE		28 April 2000	DE :	SENA HERNAND, A	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		T: theory or principle E: earlier patent docu after the filing date D: document cited in L: document cited for	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons		
O : non-written disclosure P : intermediate document		& : member of the san			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 0305

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-04-2000

	Patent document ad in search repo		Publication date	Patent family member(s)	Publication date
GB	2001014	A	24-01-1979	PL 199675 A	12-02-19
				BG 30465 A	15-06-19
				DE 2831032 A	25-01-19
				ES 472020 A	16-02-19
				FR 2397321 A	09-02-19
				IT 1097957 B	31-08-19
				JP 54020589 A	16-02-19
				SU 730291 A	25-04-19
				YU 159578 A	21-01-19
FR	2157633	A	01-06-1973	DE 2251273 A	26-04-19
				ES 408038 A	01-11-19
				GB 1346919 A	
				IT 969769 B	
				JP 48062187 A	
				NL 7214113 A	
				US 3834339 A	10-09-19
US	3397663	Α	20-08-1968	NONE	
DE	4108122	A	17-09-1992	NONE	
US	1891602	Α	20-12-1932	NONE	
EP	404431	Α	27-12-1990	JP 3035200 A	15-02-19

FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82