

(51) Clasificación Internacional de Patentes ⁷ : B63B 21/04, 21/08, E02B 3/24	A1	(11) Número de publicación internacional: WO 00/55034 (43) Fecha de publicación internacional: 21 de Septiembre de 2000 (21.09.00)
(21) Solicitud internacional: PCT/ES00/00088 (22) Fecha de la presentación internacional: 14 de Marzo de 2000 (14.03.00) (30) Datos relativos a la prioridad: U 9900700 18 de Marzo de 1999 ES (18.03.99) (71)(72) Solicitante e inventor: PARRA LOPEZ, Jose [ES/ES]; Calle Cartagena, No. 49, 1 Piso, E-30002 Murcia (ES).		(81) Estados designados: AE, AU, BR, CA, JP, MA, MX, NO, US, ZA, Patente europea (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Publicada <i>Con informe de búsqueda internacional.</i>

(54) Title: TIE-DOWN POINT FOR VESSELS

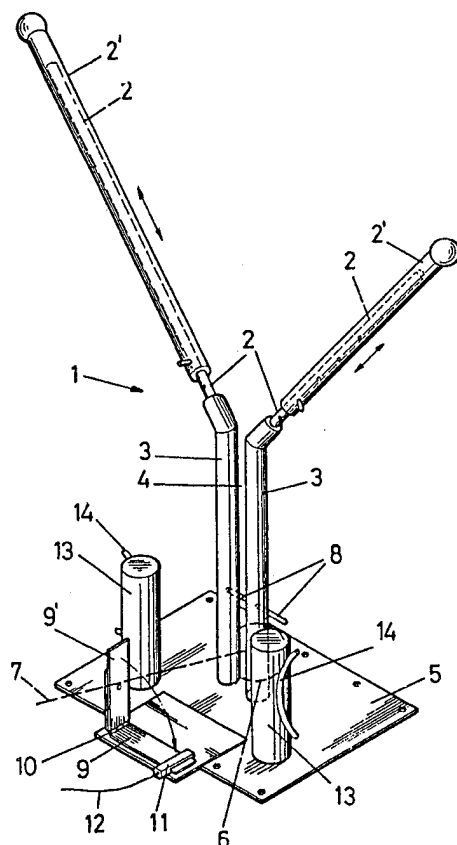
(54) Título: PUNTO DE AMARRE PARA EMBARCACIONES

(57) Abstract

The invention relates to a tie-down point for vessels facilitating present difficult maneuvers for docking a vessel. Said tie-down point (1) is fixed on the dock or another place. The crew member launches an object or a sphere (6) tied to a rope (7) which he guides in such a way that said object or sphere (6) passes through an opening formed by the rods (2). Once said sphere (6) has fallen on the ground, it is blocked in the space (4) in-between the rods (3) thereby tying down the vessel.

(57) Resumen

Punto de amarre para embarcaciones que facilita las dificultosas maniobras actuales para atracar un barco. Este punto de amarre (1), está fijo en el puerto u otro lugar y por otra parte, el tripulante de la embarcación, lanza un objeto o esfera (6) unido a un cabo (7) que orienta para que dicho objeto o esfera (6) pase entre una abertura formada por las varillas (2) y al terminar de caer al suelo dicha esfera (6) quede estrangulada entre el espacio (4) comprendido entre las varillas (3) quedando así la embarcación amarrada.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/ES 00/00088

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 : B63B 21/04, B63B21/08, E02B 3/24 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 : B63B, E02B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) CIBEPAT,EPODOC,PAJ,WPI		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 706 594 A (BURNS, J.) 17 November 1987 (17.11.87), Column 2, lines 12 – 37; column 2, line 55 – column 3, line 2; figures 1,2,5.	1-2
X	US 4 173 194 A (McLAUGHLIN, C.S.) 06 November 1979 (06.11.79), Column 2, line 37 – column 3, line 7; column 3, lines 44-47; figures 1-2.	1
X	US 4 082 054 A (BRUNER, F.D.) 04 April 1978 (04.04.78), Column 2, line 65 – column 3, line 45; claim 7; figures 6-8.	1
A	US 3 019 759 A (WOODS, E.L.) 06 February 1962 (06.02.62), Column 2, line 63 – column 3, line 28; figure 2.	1
A	US 1 770 967 A (BEAN, E.J.) 22 July 1930 (22 . 07 . 30) ; The whole document	1,4
A	US 3 126 858 A (ROSINSKI, R.J.) 31 March 1964 (31.03.64) The whole document	1,4
A	US 4 763 595 A (SHAFFNER, L.) 16 August 1988 (16.08.88)	
☐ Further documents are listed in the continuation of box C. ☒ Patent family members are listed in annex.		
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Date of the actual completion of the international search 10 May 2000 (10.05.00)		Date of mailing of the international search report 12 May 2000 (12.05.00)
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