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(54) **Title**: QUICK DETACH SHACKLE

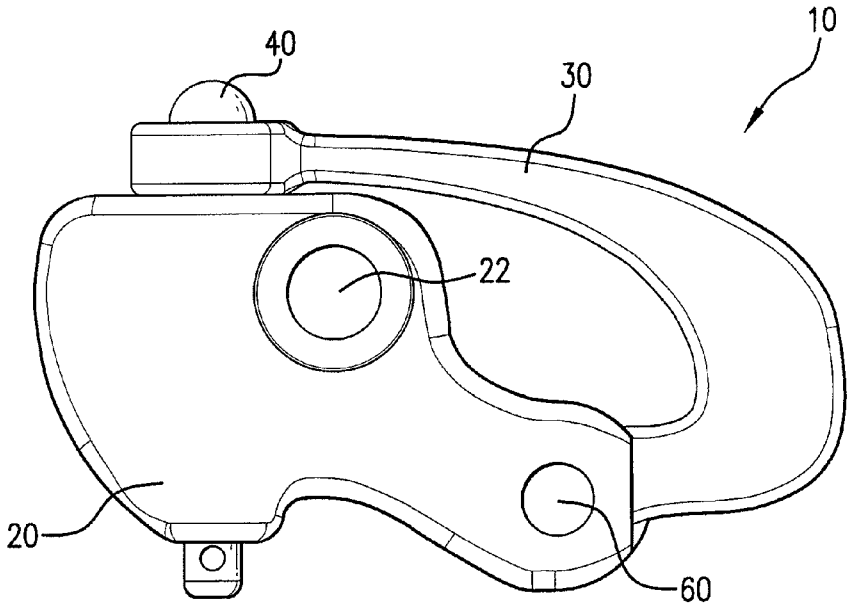


FIG. 1

(57) **Abstract**: A shackle is provided that is fixedly mounted to a surface. The shackle can have a body, a hasp, and a locking pin. The body can define at least one mounting bore that is configured for mounting the shackle to the surface. The proximal end of the hasp is configured to rotate relative to the body and the distal end of the hasp is configured to selectively engage the locking pin, such that an enclosed area is defined. A tethering device can be attached to the shackle via cooperative engagement with the selectively enclosed area.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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)
IPC8 A44B 13/00, B63H 9/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models since 1975
Japanese utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS(KIPO internal) & keywords: shackle, hasp

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,590,882 A (JACK J. MURPHY) 27 May 1986 See column 1, line 45 - column 2, line 56; Figures 1-8.	1-17
A	US 4,279,062 A (MICHEL BOISSONNET) 21 July 1981 See column 3, line 25 - column 4, line 26; Figures 1-6.	1-17
A	US 4,094,047 A (GUNILLA A. CARLSSON) 13 June 1978 See column 2, line 17 - column 3, line 7; Figures 1-2.	1-17
A	EP 0087289 A2 (LEWMAR MARINE LTD.) 31 August 1983 See pages 1-2; Claim 1; Figures 1-2.	1-17
A	US 4,766,616 A (JOHN P. DONAHUE) 30 August 1988 See column 2, line 22 - column 3, line 14; Figures 1-4.	1-17

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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