

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 April 2006 (27.04.2006)

PCT

(10) International Publication Number
WO 2006/043821 A1

(51) International Patent Classification:
B63B 21/18 (2006.01)

(21) International Application Number:
PCT/NO2005/000384

(22) International Filing Date: 14 October 2005 (14.10.2005)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:
20044486 20 October 2004 (20.10.2004) NO

(71) Applicant (for all designated States except US): **KAR-MØY WINCH AS** [NO/NO]; Bygnesveien 30, NO-4250 Kopervik (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HYSTAD, Geir** [NO/NO]; Jonas Lies vei 3, NO-4250 Kopervik (NO).

(74) Agent: **LANGFELDT, Jens, F., C.**; Zacco Norway AS, P.O. Box 2003, Vika, N-0125 Oslo (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

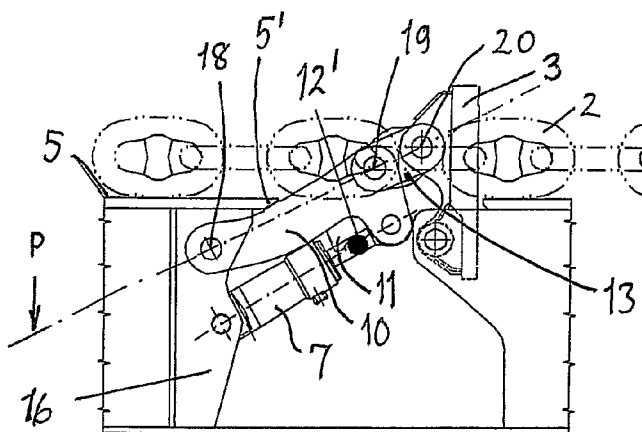
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CHAIN OR WIRE STOPPER



(57) Abstract: A stopper device (1) for chain (2) or wire, especially for locking in position an anchor chain, tow wire or mooring wire, wherein the stopper consists of a pair of plates (3, 4) which can be pivoted up from the deck of a ship to be vertically positioned in a locked position relative to the deck, so that the plates (3, 4) form an angle (α) relative to each other and with a gap (6) between an area of adjacent plate edges (3'; 4') on the pair of plates, wherein the gap is configured to match the thickness (t) of a chain link or a wire, wherein the pivoting movement of each plate is provided with the aid of a jack (7) in cooperation with a link mechanism (8; 9), and wherein the link mechanism (8; 9) in one end position causes a locking of the plate (3; 4) in the vertical position. A first (10) of the links in the link mechanism has an abutment area (11) designed to cooperate with a controllable, reciprocating locking bolt (121) for locking the first link (10) and thus the link mechanism in said one end position.

WO 2006/043821 A1