

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/022190 A2

(51) International Patent Classification⁷: A63H
(21) International Application Number: PCT/US2003/027905
(22) International Filing Date: 8 September 2003 (08.09.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data: 10/237,307 9 September 2002 (09.09.2002) US
(71) Applicant and
(72) Inventor: VAN DAN ELZEN, Hans, W. [US/US]; P.O. Box 0685, Scottsdale, AZ 85252 (US).
(74) Agent: GUBERNICK, Franklin, L.; 2540 N. Rising Star Tr., Tucson, AZ 85745 (US).

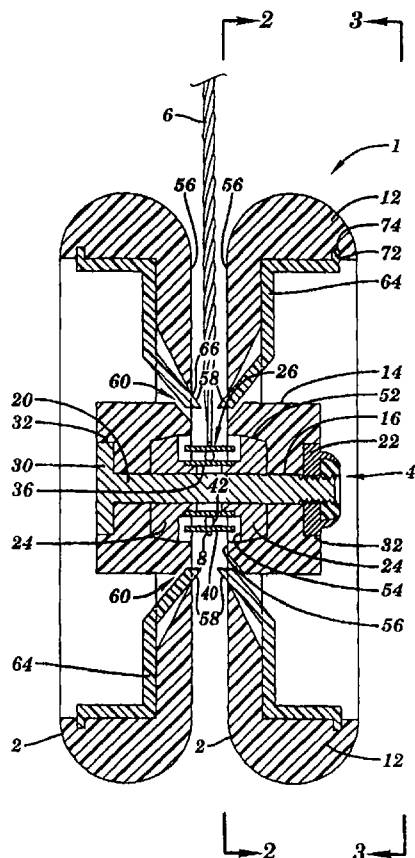
(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN (utility model), CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE,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

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

[Continued on next page]

(54) Title: YO-YO HAVING AN ACTIVE STARBURST TETHER ENGAGEMENT SYSTEM

(57) Abstract: The invention is a yo-yo that employs an active starburst tether engagement system located in one or both of the yo-yo's side members (2). The system makes use of a starburst-shaped array of movable engagement ribs (58) that face the tether (6) and are located near the yo-yo's axle structure (4). Each rib is independently movable and is located at the end of a flexible finger (64) that enables the rib to be moved by the tether in a direction substantially parallel to the yo-yo's axis of rotation.



162162



G00002

WO 2004/022190 A2

Published:

— without international search report and to be republished upon receipt of that report

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.