

(43) International Publication Date
21 November 2013 (21.11.2013)(51) International Patent Classification:
B63B 35/68 (2006.01)(21) International Application Number:
PCT/NL2013/050362(22) International Filing Date:
16 May 2013 (16.05.2013)

(25) Filing Language: English

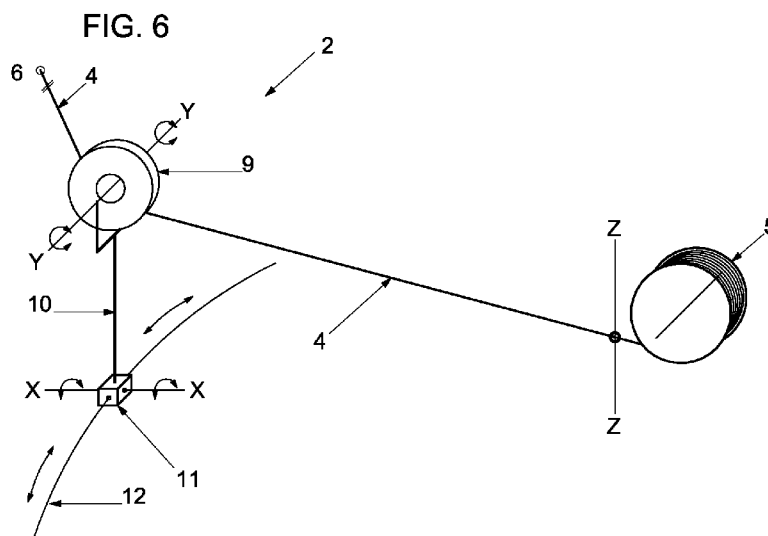
(26) Publication Language: English

(30) Priority Data:
2008836 16 May 2012 (16.05.2012) NL(71) Applicant: SACAR HOLDING N.V. [NL/NL]; Postbus
6211, Willemstad, Curaçao (NL).(72) Inventors: KOOREN, Antonie Marius; c/o Sacar Hold-
ing N.V., San Sebastian B15, Willemstad, Curacao (NL).
AALBERS, Arie; c/o Sacar Holding N.V., San Sebastian
B15, Willemstad, Curacao (NL).(74) Agent: JANSEN, C., M.; Johan de Wittlaan 7, NL-2517
JR Den Haag (NL).(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,
RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW.(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: AZIMUTH FRICTION FREE TOWING POINT



(57) Abstract: A tug boat having at least one towing winch and a movable towing point apparatus, wherein said towing point apparatus can guide a towing cable from a towing winch to a vessel to be assisted, comprising a rotating element that at least partly guides the towing cable such that the pulling force on said cable is transmitted to the tug boat at least partly through said rotating element when in use, said rotating element pivoting freely around a first axis and said first axis fixed to an arm which in turn can pivot about a second axis, said second axis being spaced apart from said first axis and the second axis being non-parallel.