



(51) International Patent Classification:
B62D 5/00 (2006.01) *B63H 25/14* (2006.01)

(21) International Application Number:
PCT/IT2010/000022

(22) International Filing Date:
27 January 2010 (27.01.2010)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
RM2009A000032 27 January 2009 (27.01.2009) IT

(71) Applicant (for all designated States except US): **PAL-MARIX LTD.**; Suites 15 & 17, Watergardens 3 (Gi).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROSENMAIER, Peter** [DE/IT]; Via Manzoni, 195, I-22070 Cassina Rizzardi (CO) (IT). **KLINDWORTH, Jan** [DE/IT]; Via Costa d'Oro, 8, I-22012 Cernobbio (CO) (IT).

(74) Agents: **TIBURZI, Andrea** et al.; Barzanó & Zanardo Roma S.p.A., Via Piemonte, 26, I-00187 Roma (IT).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, 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))
- with amended claims and statement (Art. 19(1))

Date of publication of the amended claims and statement: 30 September 2010

(54) Title: DRIVE CONTROL SYSTEM

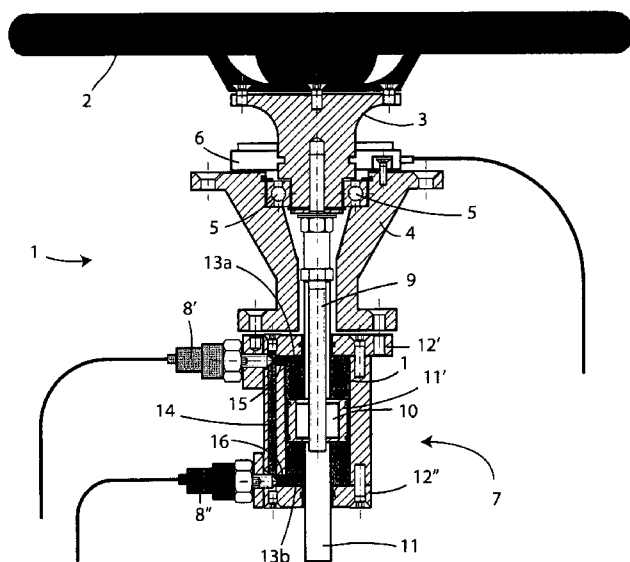


Fig. 1

(57) Abstract: The present invention relates to a vehicle drive control system (1), such as a car, a boat, an aircraft and like, or of a driving simulator, such as a videogame console, simulation apparatuses and like, and with a direction control device (2), such as a steering wheel, a rudder or like, and with directioning means (21', 22', 21'', 22''), said system (1) being characterised in that it comprises means (6) for detecting position of said direction control device (2), an adjustment module (7, 7', 7'') having a frame, mechanically coupled with said direction control device (2), provided with passive actuator and adjustment means (8', 8'', 8a, 8a', 8b, 8b') by which it is suitable to adjust resistance to the movement of said direction control device (2), one or more sensors (27) for detection of position of said directioning means (21', 22', 21'', 22''), and at least a central control unit (23), suitable to calibrate resistance against movement of said direction control device (2) by said passive actuator or adjustment means (8' 8'', 8a, 8a', 8b, 8b'), on the basis of the position of said direction control device (2) detected by said detection means (6), and to control direction of said vehicle or simulator by said directioning means and said sensors (27).