

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 July 2007 (26.07.2007)

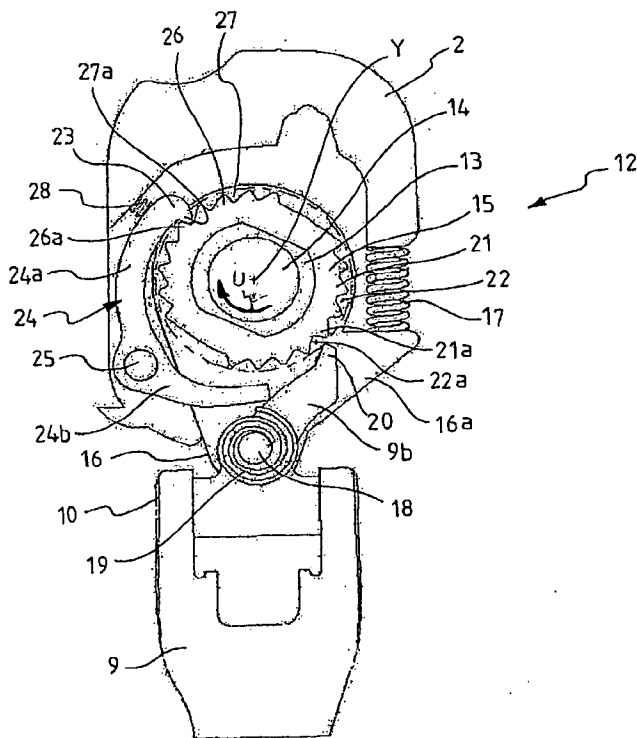
PCT

(10) International Publication Number
WO 2007/083331 A1

- (51) International Patent Classification:
B62M 25/04 (2006.01) B62L 3/02 (2006.01)
- (21) International Application Number:
PCT/IT2006/000037
- (22) International Filing Date: 23 January 2006 (23.01.2006)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): CAM-PAGNOLO S.R.L. [IT/IT]; Via della Chimica, 4, I-36100 Vicenza (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DAL PRA' Giuseppe [IT/IT]; Via G. Verdi 11/A, I-36010 Zanè (Vicenza) (IT). CAIAZZO, Marco [IT/IT]; Via Longare, 60, I-36040 Torri di Quartesolo (IT).
- (74) Agents: RICCARDI, Elisa et al.; Porta, Checcacci & Associati S.p.A., Via Trebbia 20, I-20135 Milano (IT).
- (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, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, 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).

[Continued on next page]

(54) Title: CONTROL DEVICE FOR A BICYCLE DERAILLEUR



(57) Abstract: A control device (1) for a derailleur of a bicycle is described, comprising a support body (2), a cable-winding bush (13) supported for rotation with respect to the support body (2), an indexer mechanism (12) housed in the support body (2) and suitable for controlling the angular position of the cable-winding bush (13), and a single manual actuation lever (9), the indexer mechanism (12) comprising a toothed wheel (15) integral in rotation with the cable-winding bush (13) and having a first plurality of slanting teeth (21) and a second plurality of slanting teeth (26), a first pawl (20) integral with a driven arm (9b) of the lever (9) and brought into thrusting engagement upon the first teeth (21) while the lever is manually moved in a first direction (S) beyond a predetermined rotation threshold, and a second pawl (23) driven out of retention engagement with the second teeth (26) by the driven arm (9b) of the lever (9) while the lever (9) is manually moved in the first direction (S) up to the predetermined rotation threshold.

WO 2007/083331 A1



Published:

— *with international search 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.