

16 JUL 2002

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

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
26 July 2001 (26.07.2001)

PCT

(10) International Publication Number
WO 01/52687 A1(51) International Patent Classification⁷: A45C 13/26

(21) International Application Number: PCT/EP01/00582

(22) International Filing Date: 19 January 2001 (19.01.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2000U000031 21 January 2000 (21.01.2000) IT

(71) Applicant and

(72) Inventor: BELLINI, Claudio, Francesco [IT/IT]; Via Borgonuovo, 19, I-20121 Milano (IT).

(74) Agent: SCHÜSSLER, Andrea; Patentanwälte Huber & Schüssler, Truderinger Strasse 246, 81825 München (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,

DE, DK, DM, DZ, EE, ES, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

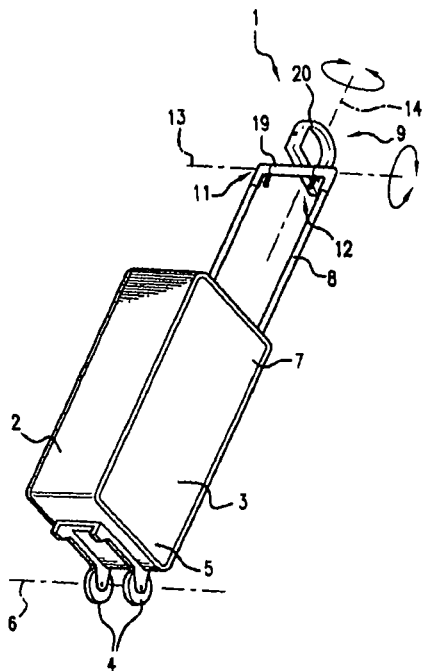
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, 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: GRIP DEVICE FOR A MOVABLE WHEEL MOUNTED OBJECT



(57) Abstract: An object (2) mounted on wheels (4) has a grip device (1) of the type wherein a free end (10) of a telescopically extensible supporting structure (8) carries an integral grip portion (9) substantially parallel to an axis of rotation (6) of the wheels (4); according to the invention, the grip portion (9) has first (11) and second (12) articulating means enabling the grip portion (9) to rotate, with respect to the supporting structure (8), about two distinct axes of rotation (13, 14) perpendicular to each other; and angular locking means (33, 34) for preventing rotation of the grip portion (9) with respect to the supporting structure (8), and ensuring firm but reversible connection of the grip portion (9) to the supporting structure (8) in a predetermined mutual position. A third articulating means (35) enables the grip portion (9) to translate along one of the axes of rotation (13).

WO 01/52687 A1



162162



ACTION