



- (51) **International Patent Classification:**
E06B 9/302 (2006.01) *E06B 9/322* (2006.01)
- (21) **International Application Number:**
PCT/IB2015/059569
- (22) **International Filing Date:**
14 December 2015 (14.12.2015)
- (25) **Filing Language:** Italian
- (26) **Publication Language:** English
- (30) **Priority Data:**
BO2014A000724 23 December 2014 (23.12.2014) IT
BO2014A000725 23 December 2014 (23.12.2014) IT
- (71) **Applicant:** LUPAK METAL S.R.L. [IT/IT]; Via Proventa, 230, 48018 Faenza (Ravenna) (IT).
- (72) **Inventors:** AMADORI, Daniela; Via Manzoni, 9, 25126 Brescia (IT). MOR, Carlo; Via Manzoni, 9, 25126 Brescia (IT). BETTOLI, Luca; C.so Matteotti, 60, 48018 FAENZA (Ravenna) (IT).
- (74) **Agent:** CONTI, Marco; c/o BUGNION S.p.A., Via di Corticella, 87, 40128 Bologna (IT).
- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

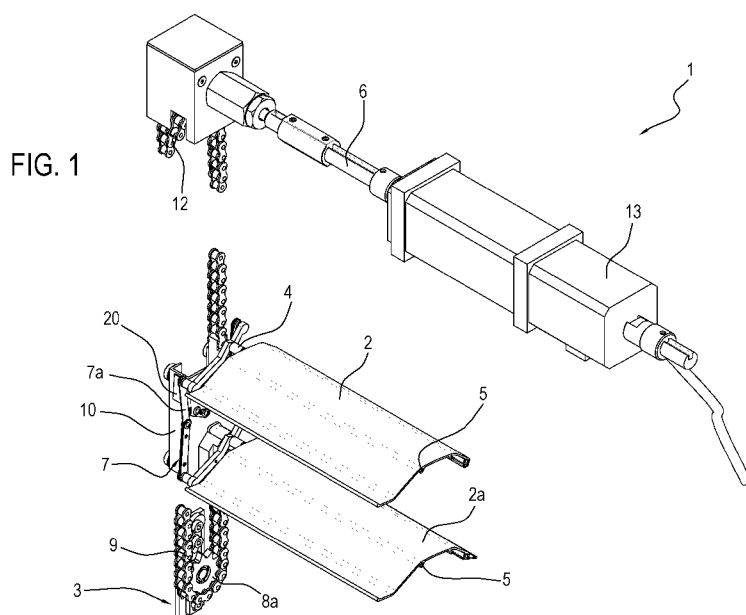
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) **Title:** SUNSHADE APPARATUS AND METHOD FOR ITS USE.



(57) **Abstract:** A sunshade apparatus (1) comprises a plurality of slats (2); a connecting mechanism (7) configured to connect together the slats (2) and rotate them about respective longitudinal axes; a lifting shaft (6), coupled to a motor (13); a first lift pulley (8), coupled to the lifting shaft (6), and a second lift pulley (8a); a lifting element (9) connected to the first and the second lift pulley (8, 8a), in a closed loop configuration, and connected to a last slat (2a), distal from the lifting shaft (6), to move the slats (2) in the direction of movement; a tilt pulley (11) connected to the connecting mechanism to actuate it in order to modify the tilt of the slats (2) and operatively connected to the lifting shaft (6) by means of a clutch (14), so that a rotation of the lifting shaft (6) in a first direction causes rotation of the tilt pulley (11) up to a configuration of maximum or minimum tilt of the slats (2) and a further rotation of the lifting shaft (6) in the first direction causes slipping of the tilt pulley (11) on the clutch (14).