



(43) International Publication Date
21 November 2013 (21.11.2013)

- (51) International Patent Classification:
E05C 19/00 (2006.01) *E06B 7/18* (2006.01)
- (21) International Application Number:
PCT/GR2013/000021
- (22) International Filing Date:
18 April 2013 (18.04.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20120100259 14 May 2012 (14.05.2012) GR
- (72) Inventor; and
- (71) Applicant : **ZAFEIROPOULOS, Grigorios** [GR/GR];
16 Korai & Souri Str., 133 41 Ano Liossia Attikis (GR).
- (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.

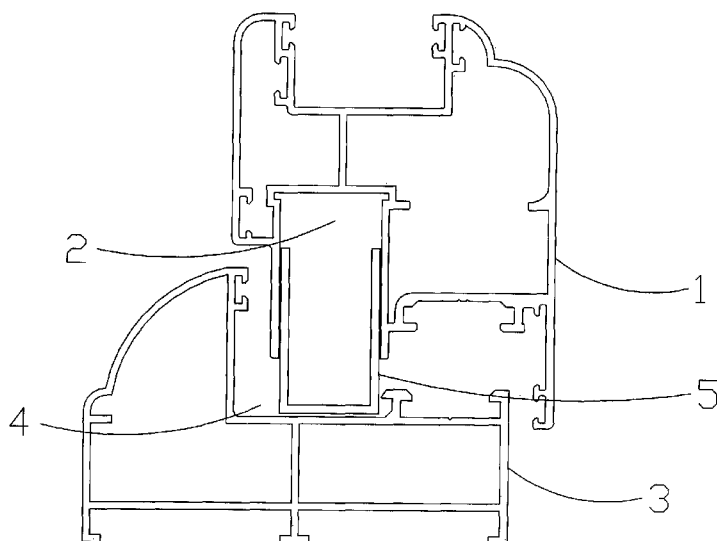
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, 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))
- with amended claims (Art. 19(1))

(54) Title: INVIOABLE OPENING FRAMES SYSTEM

Figure 5



(57) Abstract: By the invention it is possible for a hinged opening frames system (glazing and shutter), to be constructed, having a sash profile (1) with a groove (2) as shown in Figures 4 & 5 and a basic frame's profile (3) with a groove (4), where eventually the locking profile (5), which is initially placed into the groove (2) of the sash profile (1), being pushed out, enters the groove (4) of the basic frame's profile (3), so that the sash's (1) movable framework secures and literally embodies with the basic frame's (3) stable framework, in a way that makes the whole frame completely inviolable. The main motion's transmission accessory (9) is adjusted to the frame's cremone, which by being rotated, transmits motion to the drive belt (12), as shown in Figure 7, which moves the accessories (7), which push out the locking profiles (5), which in turn enter circumferentially into the groove (4) of the framework assembled by the basic frame's profile (3).