

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 May 2003 (22.05.2003)

PCT

(10) International Publication Number
WO 03/042479 A1

(51) International Patent Classification⁷: **E05F 11/12**,
11/14, 11/16, E05D 15/30, 15/32

(74) Agent: **HOPKINS, Donald, Leslie**; C/- Don Hopkins
& Associates, Unit 2, Northcote Office Park, 145 Queen
Street, Palmerston North 5301 (NZ).

(21) International Application Number: PCT/NZ02/00244

(22) International Filing Date:
11 November 2002 (11.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
515372 12 November 2001 (12.11.2001) NZ

(71) Applicant (for all designated States except US): **ASSA
ABLOY FINANCIAL SERVICES AB**. [SE/SE];
Klarabergsviadukten 90, S-107 23 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SULLIVAN, Kevin,
Francis** [NZ/NZ]; 93 Oroua Street, Eastbourne, Wellin-
ton (NZ).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, 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, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

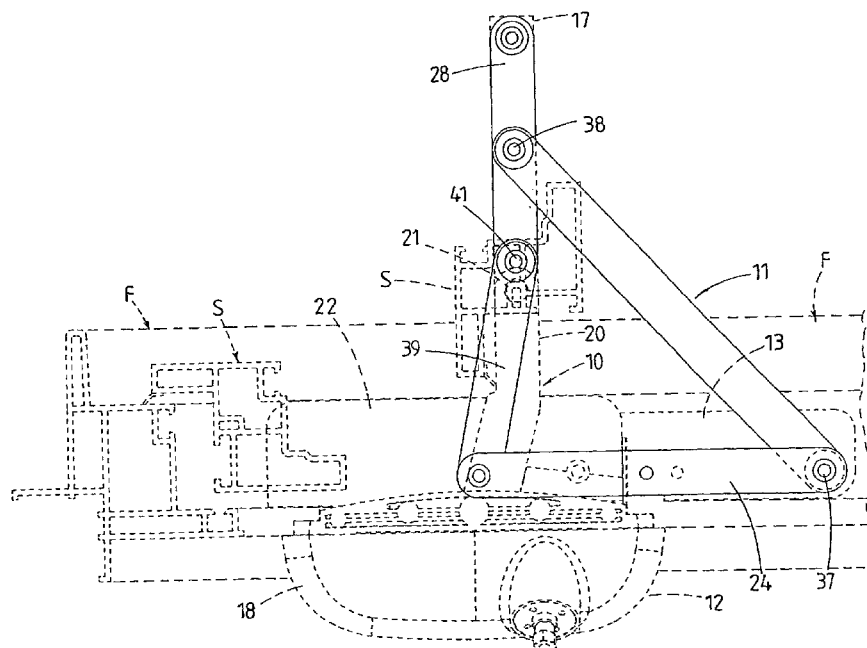
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: CASEMENT WINDOW OPERATOR SYSTEM



(57) Abstract: A casement window operator system which includes an operator (12), a driven hinge (10) and a passive hinge (11). The driven hinge (10) and the passive hinge (11) are mounted to opposite sides of the frame F of a casement window. The sash S of the window is mountable by the mounting plate (17) and (28) of the hinges. The operator (12) is mounted with the frame F adjacent to the driven hinge (10) and a driven arm (20) of the operator (12) is coupled to the window sash mounting plate (17). The passive hinge (11) constructed to replicate the operating locus of the driven hinge (10).



WO 03/042479 A1



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.