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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012745 A3

(51) International Patent Classification:
F16D 41/07 (2006.01)

(21) International Application Number:
PCT/US2004/024216

(22) International Filing Date: 28 July 2004 (28.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/490,707 28 July 2003 (28.07.2003) US

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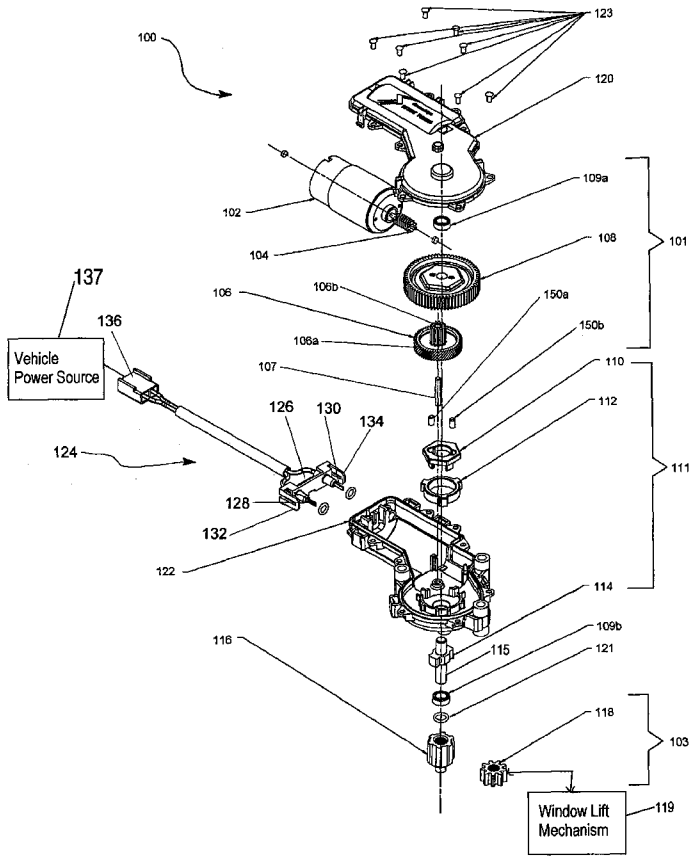
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: WINDOW LIFT SYSTEM AND ACTUATOR INCLUDING AN INTERNAL DRIVE TRAIN DISCONNECT



(57) Abstract: An electro-mechanical actuator is provided resisting back driving of a gear train in at least one direction. The actuator includes an internal gear train (101). A clutch (111) is coupled to an output of the gear train and transmits a driving force from the gear train to a clutch output. When a back driving force is applied to the clutch output in at least one direction, the clutch assumes a locked configuration. When the clutch is in a locked configuration the clutch resists rotational movement of the output and back driving of the gear train.

WO 2005/012745 A3

SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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*

(88) Date of publication of the international search report:
15 March 2007

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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/24216

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **F16D 41/07**(2007.01)

USPC: 74/411.5,425;192/223,223.2
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 74/411.5,425; 192/223,223.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0000796 A1 (Kawai et al.) 02 January 2003 (02.01.2003) See Figures	1-22
X	US 6,575,277 (Torii et al.) 10 June 2003 (10.06.2003) See Figures	1-22
X	US 5,404,975 (Michel) 11 April 1995 (11.04.1995) See Figures	1-22

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Date of the actual completion of the international search	Date of mailing of the international search report
13 December 2006 (13.12.2006)	19 JAN 2007
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Form PCT/ISA/210 (second sheet) (April 2005)