

Title (en)
Fail safe actuator

Title (de)
Ausfallsichere Betätigung

Title (fr)
Commande à sûreté intégrée

Publication
EP 1380321 A1 20040114 (EN)

Application
EP 03077196 A 20030711

Priority
GB 0216349 A 20020713

Abstract (en)
A fail-safe actuator having a drive unit for both driving the barrier to one, non-operative position and holding it there with respect to its aperture, a drive transmitter and a motive power device connected to the drive-unit drive transmitter for providing drive between it and a drive output shaft, and a retarder. The retarder having a drive transmitter, a retardation device switchable between two retardation states namely a high-torque, first state, which is selectable for driving of the barrier to the non-operative position and a low-torque second state, which is a fail safe state for deployment of the barrier to the operative position. The retarder also having a three element gear mechanism arranged between the drive output shaft and the retardation device, the mechanism having three elements geared one connected to the retarder drive transmitter, the second connected to the drive output shaft and the third connected to retardable member of the retardation device. <IMAGE>

IPC 1-7
A62C 2/10

IPC 8 full level
A62C 2/10 (2006.01)

CPC (source: EP)
A62C 2/10 (2013.01)

Citation (search report)
• [A] US 5383510 A 19950124 - ALLEN THOMAS H [US]
• [A] DE 19538609 A1 19960425 - BRADLEY LOMAS ELECTROLOK LTD [GB]
• [A] EP 0406493 A1 19910109 - NUAIRE LTD [GB]

Cited by
ES2323356A1; GB2416991A; GB2416991B; WO2008065211A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1380321 A1 20040114; EP 1380321 B1 20070228; AT E355107 T1 20060315; DE 60312080 D1 20070412; DE 60312080 T2 20071115; GB 0216349 D0 20020821

DOCDB simple family (application)
EP 03077196 A 20030711; AT 03077196 T 20030711; DE 60312080 T 20030711; GB 0216349 A 20020713