

Title (en)
SYSTEMS AND METHODS FOR OPERATING A BARRIER

Title (de)
GESICHERTES IDENTIFIKATIONS-DOKUMENT

Title (fr)
SYSTEMES ET METHODES POUR ACTIONNER UNE BARRIERE

Publication
EP 1751386 A4 20131023 (EN)

Application
EP 05718531 A 20050121

Priority
• IB 2005001149 W 20050121
• US 53831404 P 20040121
• US 92770204 A 20040827

Abstract (en)
[origin: WO2005069723A2] Disclosed are systems and methods for operating a barrier. In one embodiment, a door operator can be opened or closed by triggering either an internal device (e.g., wall button) or an external device. In one embodiment, if an obstacle is detected when the door is opening or closing, the door will either stop or swing in the reverse direction. In yet a further embodiment, the door operator is implemented using an alternating current (AC) synchronous motor.

IPC 8 full level
E05F 15/20 (2006.01); **E05C 19/16** (2006.01); **E05F 15/00** (2006.01); **E05F 15/10** (2006.01); **G01L 1/00** (2006.01); **E05B 47/00** (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)
E05C 19/166 (2013.01); **E05F 15/41** (2013.01); **E05F 15/603** (2015.01); **E05F 15/70** (2015.01); **E05B 2047/0068** (2013.01); **E05F 15/63** (2015.01); **E05Y 2201/22** (2013.01); **E05Y 2201/236** (2013.01); **E05Y 2400/30** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2400/54** (2013.01); **E05Y 2400/554** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)
• [XY] EP 0005137 A1 19791114 - SIEGENIA FRANK KG [DE]
• [Y] US 5910075 A 19990608 - ARNELL LOUIS G [US], et al
• [XY] US 5069000 A 19911203 - ZUCKERMAN LAWRENCE H [US]

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

DOCDB simple family (publication)
WO 2005069723 A2 20050804; **WO 2005069723 A3 20060216**; CA 2509669 A1 20050721; CA 2509669 C 20081230; EP 1751386 A2 20070214; EP 1751386 A4 20131023

DOCDB simple family (application)
IB 2005001149 W 20050121; CA 2509669 A 20050121; EP 05718531 A 20050121