

Title (en)  
Control device for automatic gates and the like

Title (de)  
Antriebsvorrichtung für automatische Tore

Title (fr)  
Dispositif de commande pour portail automatique

Publication  
**EP 1503020 A1 20050202 (EN)**

Application  
**EP 03425528 A 20030801**

Priority  
EP 03425528 A 20030801

Abstract (en)  
A device for controlling the opening and closing of an automatic gate (1) is mounted within a quadrangular upright (57) of the gate and comprises a driving motor (13) capable of causing the axial sliding of a movable member (17, 19, 21) inside the upright. That member slides over a rod (23) mounted in the upright (57) and provided with helical grooves (39), and includes a bushing (21) with internal teeth (61) engaging said helical grooves (39), whereas the external surface of the bushing (21) houses a pair of balls (59), each engaging a pair of adjacent walls in the upright (57).  
<IMAGE>

IPC 1-7  
**E05F 15/12**

IPC 8 full level  
**E05F 15/12** (2006.01); **E05F 15/04** (2006.01)

CPC (source: EP)  
**E05F 15/614** (2015.01); **E05F 15/622** (2013.01); **E05F 15/54** (2015.01); **E05Y 2201/236** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/448** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2600/46** (2013.01); **E05Y 2800/262** (2013.01); **E05Y 2900/40** (2013.01)

Citation (search report)  
• [A] DE 3219192 A1 19831124 - UNTERREITER ERICH  
• [A] FR 2789467 A1 20000811 - PINGON MAURICE [FR]  
• [A] US 4685344 A 19870811 - HORN MANFRED [DE], et al

Cited by  
NL1036099C; EP2055880A3; US11613927B2; US11649676B2; EP4336008A1; IT202200018444A1; FR2891336A1

Designated contracting state (EPC)  
IT

DOCDB simple family (publication)  
**EP 1503020 A1 20050202**

DOCDB simple family (application)  
**EP 03425528 A 20030801**