

Title (en)  
Electrical garage door drive

Title (de)  
Elektrischer Garagentorantrieb

Title (fr)  
Commande électrique de porte de garage

Publication  
**EP 0859111 A3 20000719 (DE)**

Application  
**EP 98102324 A 19980211**

Priority  
DE 19705550 A 19970214

Abstract (en)  
[origin: EP0859111A2] The carriage (24) from which protrudes a bar-shaped element (26) runs along the runner rail (22) by using the drive mechanism. The runner rail, on the side from which the bar-shaped element protrudes, is closed as far as a longitudinal gap (58) which just allows the bar-shaped element to pass through it. The runner rail on the side from which the bar-shaped element protrudes is open and is closed by subsequently placed covers (54,56) as far as the gap. The outer ends of the U-sectioned profile (42) of the runner rail has inward-projecting arms (50,52) ending at a distance (A) from one another.

IPC 1-7  
**E05F 15/16**

IPC 8 full level  
**E05F 15/668** (2015.01)

CPC (source: EP)  
**E05F 15/668** (2015.01); **E05Y 2900/106** (2013.01)

Citation (search report)  
• [X] DE 2618110 A1 19771110 - RUKU TOR GES MBH  
• [X] US 3411612 A 19681119 - RICHMOND MOSCOW K  
• [PX] DE 19628083 A1 19980129 - SCHIEL HANS JOSEF [DE]  
• [A] US 5222403 A 19930629 - ANGELINI THOMAS [US], et al  
• [A] EP 0607924 A1 19940727 - MARANTEC ANTRIEB STEUERUNG [DE]

Cited by  
EP3109387A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0859111 A2 19980819; EP 0859111 A3 20000719**; DE 19705550 A1 19980820; DE 19705550 C2 20020905

DOCDB simple family (application)  
**EP 98102324 A 19980211**; DE 19705550 A 19970214