

Title (en)  
**MECHANICAL DOOR CHECK**

Publication  
**EP 0298514 B1 19910612 (EN)**

Application  
**EP 88110973 A 19880708**

Priority  
• JP 1903188 A 19880129  
• JP 1903288 A 19880129  
• JP 10595187 U 19870710  
• JP 19847287 U 19871226  
• JP 30712187 A 19871204

Abstract (en)  
[origin: EP0298514A1] Herein disclosed is a continuous speed change type door check (1) for closing a door, which comprises: a pivot pin (3) made rotatable; a slider (11) adapted to be linearly moved by the rotations of the pivot pin (3) and to rotate the pivot pin (3) when it returns; a coil spring (11) for biasing the slider to return; a gear train (19) for speeding up the rotations of the pivot pin (3); brake means (21) connected to the gear train (19); and a one-way transmission clutch (22) for operating the brake means (21) in a direction to close the door.

IPC 1-7  
**E05F 3/00**; **E05F 3/16**; **E05F 5/00**

IPC 8 full level  
**E05F 3/00** (2006.01); **E05F 3/16** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP KR US)  
**E05F 3/04** (2013.01 - KR); **E05F 3/16** (2013.01 - EP US); **E05F 3/227** (2013.01 - EP); **E05F 5/00** (2013.01 - EP); **E05Y 2201/21** (2013.01 - EP); **E05Y 2201/216** (2013.01 - EP); **E05Y 2201/234** (2013.01 - EP); **E05Y 2201/242** (2013.01 - EP); **E05Y 2201/258** (2013.01 - EP); **E05Y 2201/26** (2013.01 - EP); **E05Y 2201/266** (2013.01 - EP); **E05Y 2400/302** (2013.01 - EP); **E05Y 2900/132** (2013.01 - EP)

Cited by  
EP1845226A1; EP2716849A1; DE102005002785A1; AT15281U1; GB2479157A; GB2479157B; US6633094B1; AT522109A1; US8590107B2; US7562757B2; WO2006069412A1; US10641029B2; US11725444B2; WO2023036744A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0298514 A1 19890111**; **EP 0298514 B1 19910612**; DE 3863241 D1 19910718; KR 890002514 A 19890410

DOCDB simple family (application)  
**EP 88110973 A 19880708**; DE 3863241 T 19880708; KR 880007591 A 19880623