

Title (en)  
SLIDING RAIL DOOR-CLOSING DEVICE

Title (de)  
GLEITSCHIENENTÜRSCHLIESSER

Title (fr)  
FERME-PORTE A GLISSIERE

Publication  
**EP 1362155 A1 20031119 (DE)**

Application  
**EP 02719797 A 20020211**

Priority  
• DE 10107046 A 20010213  
• EP 0201404 W 20020211

Abstract (en)  
[origin: WO02064926A1] The invention relates to a sliding rail door-closing device (1) having an eccentrically positioned pinion (6) comprising a circular working curve. Said pinion intermeshes with a toothed rack (5) arranged on a piston (4). The aim of the invention is to design the working curve and the teeth (9) of the toothed rack (5) in such a way that they are adapted to a toothing of the pinion (6). In order to optimise the movement sequence of the piston (4) in the housing (2) of the sliding rail door-closing device (1), the invention further relates to an improved embodiment of the closing delay.

IPC 1-7  
**E05F 3/10**

IPC 8 full level  
**E05F 3/10** (2006.01)

CPC (source: EP US)  
**E05F 3/102** (2013.01 - EP US); **E05F 3/12** (2013.01 - EP US); **E05Y 2201/618** (2013.01 - EP US); **E05Y 2201/716** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **Y10T 74/19972** (2015.01 - EP US); **Y10T 74/19977** (2015.01 - EP US)

Citation (search report)  
See references of WO 02064926A1

Cited by  
CN110552571A; EP3483373A1

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

DOCDB simple family (publication)  
**WO 02064926 A1 20020822**; AT E295928 T1 20050615; AU 2002250913 B2 20060831; CA 2434577 A1 20020822; CZ 20031796 A3 20031217; DE 10107046 A1 20020912; DE 10107046 C2 20030528; DE 50203139 D1 20050623; EP 1362155 A1 20031119; EP 1362155 B1 20050518; ES 2242849 T3 20051116; JP 2004518838 A 20040624; MX PA03002228 A 20030624; PL 362555 A1 20041102; RU 2288334 C2 20061127; SK 8392003 A3 20050602; US 2004074145 A1 20040422; US 7024725 B2 20060411

DOCDB simple family (application)  
**EP 0201404 W 20020211**; AT 02719797 T 20020211; AU 2002250913 A 20020211; CA 2434577 A 20020211; CZ 20031796 A 20020211; DE 10107046 A 20010213; DE 50203139 T 20020211; EP 02719797 A 20020211; ES 02719797 T 20020211; JP 2002564227 A 20020211; MX PA03002228 A 20020211; PL 36255502 A 20020211; RU 2003108332 A 20020211; SK 8392003 A 20020211; US 46798603 A 20030813