

Title (en)  
CLOSING SYSTEM FOR A SLIDING DOOR

Title (de)  
SCHIEBETÜRSCHLIESSEINRICHTUNG

Title (fr)  
SYSTEME DE FERMETURE DE PORTE COULISSANTE

Publication  
**EP 0990084 A1 20000405 (DE)**

Application  
**EP 98929410 A 19980602**

Priority  
• DE 19725357 A 19970616  
• DE 29713823 U 19970802  
• EP 9803275 W 19980602

Abstract (en)  
[origin: WO9858147A1] The invention relates to a closing system for a sliding door, wherein the door leaf (4) is suspended using a running gear (6, 7) on a supporting guide rail (8). In order to securely maintain the closed door in a closed position and to facilitate opening of said door, the invention provides that the supporting guide rail (8) has an indent for the running gear when the door leaf (4) is in a closed position. The door leaf (4) can only be moved into said indent when a energy store (11) is loaded and moved out of said indent in the direction of opening when the energy store (11) is unloaded. The direction of force exerted by the energy store (11, 12) substantially corresponds to the direction in which the door leaf (4) is opened, specially when the opening movement begins.

IPC 1-7  
**E05F 5/08**; **E05D 15/10**

IPC 8 full level  
**E05D 15/10** (2006.01); **E05D 15/56** (2006.01); **E05F 1/08** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP)  
**E05D 15/1021** (2013.01); **E05D 15/1042** (2013.01); **E05D 15/565** (2013.01); **E05D 2015/1055** (2013.01); **E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/212** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/426** (2013.01); **E05Y 2800/298** (2013.01); **E05Y 2900/102** (2013.01)

Citation (search report)  
See references of WO 9858147A1

Cited by  
NL2027726B1; EP4053366A1

Designated contracting state (EPC)  
AT DK NL SE

DOCDB simple family (publication)  
**WO 9858147 A1 19981223**; AT E208002 T1 20011115; DK 0990084 T3 20011217; EP 0990084 A1 20000405; EP 0990084 B1 20011031; HR P980329 A2 19990430; PL 337490 A1 20000828

DOCDB simple family (application)  
**EP 9803275 W 19980602**; AT 98929410 T 19980602; DK 98929410 T 19980602; EP 98929410 A 19980602; HR P980329 A 19980616; PL 33749098 A 19980602