

Title (en)  
High speed closure means.

Title (de)  
Schnellaufender Öffnungsabschluss.

Title (fr)  
Système de fermeture à grande vitesse.

Publication  
**EP 0676524 B1 19951122 (DE)**

Application  
**EP 94103594 A 19940309**

Priority  
EP 94103594 A 19940309

Abstract (en)  
[origin: EP0676524A1] The closure appts. has a contact bar (17), perpendicular w.r.t. the appts. direction of motion, which operates with a light detection arrangement to detect a holding position before a closed position. The detector arrangement includes a light source (15) associated with one lateral guide (13) and a light receiver (16) associated with the another (14). Their optical axes lie parallel to the direction of motion. The contact bar has reflection elements (18,19) coaxial with the optical axis of the source or receiver and with reflection surfaces inclined in the direction of the opening so as to form a closed light path from the source to the receiver via the two reflection elements. Interruption of the light path is detected.  
<IMAGE>

IPC 1-7  
**E05F 15/00**

IPC 8 full level  
**E05F 15/00** (2006.01)

CPC (source: EP)  
**E05F 15/43** (2015.01); **E05F 2015/435** (2015.01); **E05Y 2400/458** (2013.01); **E06B 2009/6836** (2013.01)

Cited by  
DE19739543A1; US6218940B1; US6243006B1; WO2006079515A1; WO2009052879A1

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