

Title (en)
Drive device for a roller shutter door

Title (de)
Rolltorantriebseinrichtung

Title (fr)
Dispositif d'entraînement pour porte roulante

Publication
EP 1165927 A1 20020102 (DE)

Application
EP 00929266 A 20000329

Priority
• DE 0000965 W 20000329
• DE 19914255 A 19990329
• DE 20005244 U 20000321

Abstract (en)
[origin: WO0058592A1] The invention relates to a drive device for a rolling door. In said device, the distance between the rotational axis (6) of the winding shaft (5) which receives the door leaf, and the lintel (2) of the door opening (1) which is to be closed is adjusted. Said adjustment takes place, based on the closed or open position attained by the door leaf, in relation to the inbound or outbound alignment thereof on the guides (3) for said door leaf which are provided on each side of the door opening. The distance adjustment is at least approximately synchronised with the closing and opening movement of the door leaf. The adjustment in the distance of the rotational axis (6) of the winding shaft (5) is carried out by the bearings (7) of said winding shaft (5) which are guided along a displacement path which lies at least approximately in a straight line in relation to corresponding consoles (10) which can be arranged on either side of the door opening (1) in the lintel area. Said distance adjustment occurs between the bearing blocks of the winding shaft and the consoles allocated thereto in a reliable, quiet manner which requires little maintenance, in addition to involving minimal friction losses. The adjustment takes place in such a way that the substantially straight-line guidance system of the bearings (7) in relation to the consoles (10) consists of at least one four-link drive chain (1 to 4; levers 14, 15) running through each bearing (7) and corresponding console (10).

IPC 1-7
E06B 9/174

IPC 8 full level
E06B 9/174 (2006.01); **E06B 9/70** (2006.01)

CPC (source: EP)
E06B 9/174 (2013.01); **E06B 9/70** (2013.01); **E06B 2009/1743** (2013.01)

Citation (search report)
See references of WO 0058592A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0058592 A1 20001005; AU 4743100 A 20001016; DE 10080766 D2 20020502; DE 50007620 D1 20041007; EP 1165927 A1 20020102; EP 1165927 B1 20040901; PL 351568 A1 20030505

DOCDB simple family (application)
DE 0000965 W 20000329; AU 4743100 A 20000329; DE 10080766 T 20000329; DE 50007620 T 20000329; EP 00929266 A 20000329; PL 35156800 A 20000329