

Title (en)

LATERAL SLIDING DOOR, COMPRISING WINGS SLIDING ON RAILS IN A TELESCOPIC WAY ONE RELATIVE TO ANOTHER

Publication

EP 0258591 B1 19910403 (DE)

Application

EP 87110258 A 19870716

Priority

DE 3630340 A 19860905

Abstract (en)

[origin: EP0258591A2] The lateral sliding door has altogether three door leaves (3, 4, 5), of which only an outer one is equipped with a drive (10). To transmit the drive movement of the driven outer door leaf to the other two door leaves, there is arranged respectively on the driven door leaf (3) and on the middle door leaf (5) an endless chain (17 or 23) guided along the door leaves via deflecting wheels (13, 14; 24, 25). One strand (17a) of the chain of the driven door leaf (3) is connected firmly to a fixed anchorage (21) and the other strand of this chain (18) or of one parallel to this is connected firmly to the middle door leaf (4). Furthermore, between the endless chains of the driven door leaf and of the middle door leaf there is a step-down gear (27) which consists of a rotary axle (28) mounted in the middle door leaf and with chain wheels (25, 29) of differing diameter which are held on this axle at both ends fixedly in terms of rotation and of which one is a deflecting wheel of the chain of the middle door leaf and the other of smaller diameter engages into a strand of the chain of the driven door leaf. The non-driven outer door leaf (5) is connected firmly to a strand of the endless chain of the middle door leaf. <IMAGE>

IPC 1-7

E05D 15/08; **E05F 15/14**; **E06B 11/04**

IPC 8 full level

E05D 15/08 (2006.01); **E05F 5/00** (2006.01); **E05F 15/14** (2006.01); **E05F 15/643** (2015.01); **E06B 11/04** (2006.01)

CPC (source: EP)

E05D 15/08 (2013.01); **E05F 5/003** (2013.01); **E05F 15/643** (2015.01); **E05Y 2800/122** (2013.01); **E05Y 2900/40** (2013.01)

Cited by

CN113431482A; FR2950922A1; AT511970A4; AT511970B1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0258591 A2 19880309; **EP 0258591 A3 19880706**; **EP 0258591 B1 19910403**; DE 3630340 A1 19880310; DE 3769041 D1 19910508

DOCDB simple family (application)

EP 87110258 A 19870716; DE 3630340 A 19860905; DE 3769041 T 19870716