

Title (en)
CLOSURE SEQUENCE CONTROL DEVICE

Publication
EP 0458034 B1 19921202 (DE)

Application
EP 91104480 A 19910322

Priority
DE 4016283 A 19900521

Abstract (en)
[origin: EP0458034A1] The door consists of a standing wing and a moving wing which are each movable by means of a driving means, such as a door closer, acting in the closing direction and are controllable in their closed position via pivot arms arranged between door frame and door wings for the pivoting position holding open the standing-wing pivoting region of the moving wing. In this arrangement, the pivot arms engage by way of sliding pieces longitudinally displaceably in a guide rail fixed to the frame. The sliding piece (18), assigned to the moving wing (12), of its pivot arm (16) is connected to a clamping rod (22) guided in the guide rail (19) and surrounded by a clamping plate (27). This clamping plate is supported in a spring-loaded manner, on the one hand, on a push member (31) capable of being conveyed by the standing wing (11) into the release position and, on the other hand, on an overload member (29) guided on the clamping rod, the overload member being mounted on a fixed stop member by means of a spring member which yields in the event of an overload. To be able to employ such a closure sequence control device even with such double-winged doors in which the hinges forming a pivot axis for each door wing are arranged on the side opposite the door closers, the guide rail and the closure sequence control device, the push member is acted upon by a disengaging lever (41) which is held by the standing wing (11) in its closed position in a position securing the clamping plate (27) in the release position, and the disengaging lever (41) is able to be conveyed during the opening movement of the standing wing into a position analogous to the blocking position of the clamping plate by a push tongue (52) of the sliding piece (17) associated with the standing wing. As a result, the displacement, initially taking place owing to the position of the door hinges during the opening movement of the door wings, of the sliding pieces on the pivot arms of the door closers towards the door lock is possible, and is usable for the disengagement of the blocking device for the moving wing as a result of the starting movement of the standing wing. <IMAGE>

IPC 1-7
E05F 5/12

IPC 8 full level
E05F 5/12 (2006.01)

CPC (source: EP)
E05F 5/12 (2013.01); **E05Y 2201/686** (2013.01); **E05Y 2900/132** (2013.01)

Cited by
EP1126118A3; EP2060715A3; EP2902577A1; EP1801336A1; EP1333142A3; EP2896773A1; DE102011057063B4; AT510683A4; AT510683B1; EP1126119A3; EP0867587A2; EP1126119A2; EP1126118A2; US6564510B2; US6742302B2; DE102011057063A1; EP2060715A2; DE102007055354A1; DE102007055354B4; EP1333142B1

Designated contracting state (EPC)
AT CH DE DK FR GB IT LI SE

DOCDB simple family (publication)
EP 0458034 A1 19911127; EP 0458034 B1 19921202; AT E83033 T1 19921215; DE 4016283 C1 19910919; DE 59100015 D1 19930114

DOCDB simple family (application)
EP 91104480 A 19910322; AT 91104480 T 19910322; DE 4016283 A 19900521; DE 59100015 T 19910322