

Title (en)
CLOSING SEQUENCE REGULATION DEVICE

Title (de)
VORRICHTUNG ZUR SCHLIEßFOLGEREGELUNG

Title (fr)
DISPOSITIF DE RÉGULATION DE SÉQUENCE DE FERMETURE

Publication
EP 2430272 B1 20150624 (DE)

Application
EP 10722302 A 20100512

Priority

- EP 2010002934 W 20100512
- DE 102009021097 A 20090513

Abstract (en)
[origin: WO2010130417A1] The invention relates to a device for regulating the sequence in which a double door comprising an active door leaf and a passive door leaf is closed, both door leaves being connected, by means of a door strip, to a wall area adjoining the same so as to be pivotable about a stationary axis of rotation of a bearing. Said device comprises a blocking mechanism that allows the active door leaf to be blocked in a minimal open position in the door-closing direction, a triggering mechanism that is controlled by the passive door leaf and releases the blocking mechanism in a predefined position of the passive door leaf, and a door-closing mechanism that is arranged between the active door leaf and the wall area, has a closing arm acting on the active door leaf, and applies a closing force to the closing arm. The closing arm is hinged to the door-closing mechanism in the first end region so as to be rotatable about an axis of rotation of the door-closing mechanism, while being mounted in the second end region so as to be rotatable about a guiding axis of rotation. When projected onto the plane extending perpendicular to the axial direction of the axis of rotation of the bearing, the axis of rotation of the bearing, the axis of rotation of the door-closing mechanism, and the guiding axis of rotation are arranged so as to jointly form a bent lever along with the two intermediate zones, wherein the axis of rotation of the bearing is the fulcrum of said bent lever, and the axis of rotation of the door-closing mechanism and the guiding axis form the other pivots of the bent lever.

IPC 8 full level
E05F 5/12 (2006.01)

CPC (source: EP)
E05F 5/12 (2013.01); **E05Y 2201/604** (2013.01); **E05Y 2201/624** (2013.01); **E05Y 2201/626** (2013.01); **E05Y 2201/686** (2013.01);
E05Y 2800/174 (2013.01)

Citation (opposition)
Opponent : GEZE GmbH

- DE 4016283 C1 19910919
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102009021097 A1 20101118; EP 2430272 A1 20120321; EP 2430272 B1 20150624; WO 2010130417 A1 20101118;
WO 2010130440 A1 20101118

DOCDB simple family (application)
DE 102009021097 A 20090513; EP 10722302 A 20100512; EP 2010002898 W 20100511; EP 2010002934 W 20100512