

Title (en)
MECHANISM FOR OPENING/CLOSING AN OPENING LEAF WITH RESPECT TO A FRAME

Title (de)
MECHANISMUS ZUM ÖFFNEN/SCHLIESSEN EINES ÖFFNUNGSBLATTES IN BEZUG AUF EINEN RAHMEN

Title (fr)
MECANISME D'OUVERTURE/FERMETURE D'UN OUVRANT PAR RAPPORT A UN DORMANT

Publication
EP 3700811 A1 20200902 (FR)

Application
EP 18786809 A 20181022

Priority
• EP 17198682 A 20171026
• EP 2018078935 W 20181022

Abstract (en)
[origin: WO2019081446A1] Mechanism (10) for opening/closing an opening leaf (12) with respect to a frame (14). The mechanism (10) is configured to cause, upon opening, a lifting of the opening leaf (12) from a closure plane to an opening plane parallel to the closure plane, followed by a pivoting of the opening leaf (12) about a pivot axis (V) orthogonal to the translational movement of the opening leaf, and vice versa upon closing. The mechanism (10) comprises for this purpose: a fixed frame (50); a movable frame (55) mounted translationally on the fixed frame; a hinge part (61) mounted in a pivoting manner on the movable frame and coupled to a mechanism for attachment to the opening leaf; an actuator comprising an output member (25) which can be actuated in a direction orthogonal to the pivot axis (V) of the opening leaf (12); and a transmission (30, 70, 73, 74, 73', 74'). The transmission comprises a transmission link (30) comprising a first articulation (31a) coupled in a pivoting manner to the output member (25), and a second articulation (31b) coupled in a pivoting manner to the hinge part. The fixed frame (50) comprises a guiding arrangement (52, 80, 80') configured to cooperate with the transmission such that the movement of the output member (25), during the opening of the mechanism, causes the lifting of the movable frame (55) with respect to the fixed frame (50), then the rotation of the hinge part (61) by a desired angle in order to switch from a closed configuration to an open configuration of the opening/closing mechanism.

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