

Title (en)

Door check, especially for tilt and turn windows

Title (de)

Flügelgesteller, insbesondere für Dreh-Kipp-Fensterflügel

Title (fr)

Arrêt de porte, notamment pour fenêtre oscillo battante

Publication

EP 0495198 B1 19980617 (DE)

Application

EP 91121027 A 19911207

Priority

DE 9100374 U 19910114

Abstract (en)

[origin: EP0495198A1] Wing stop, especially for turn-and-tilt window wings, are equipped with a bearing base (5) to be fastened to one of the two window frames (1, 2), especially to the fixed frame (1), with a fixing arm (6) connected pivotably to the bearing base (5) and pivotable outwards transversely to the wing plane, and with a fixing element (7) which is to be brought into fixing engagement with the fixing arm (6) and which is to be fastened to the other frame, especially to the casement (2), the fixing arm (6) being provided with a toothed strip (9) and with a cover strip (12) which is equidistant from this, leaving a displacement path (11) free for the fixing element (7), and in which is located a passage point (13) for the fixing element (7) to be brought into selective blocking engagement with two adjacent blocking teeth (9') provided in the toothed strip. In order to improve such a wing stop so that, whilst being of comparatively simple and stable design, it allows a secure fixing of the wing in different opening positions and permits a movement of the fixing element (7) out of the fixing arm (6) only in the closing position of the window wing or of the wing stop, the blocking teeth (9') of the toothed strip (9) and the associated individual blocking engagement of the fixing element designed as a fixing pin (7) extend over at least half the width of the fixing arm (6), and furthermore there engages on the fixing arm (6) a spring (14) which seeks to press it into the pivoted-out position and which allows the fixing pin (7) to move through the passage point, located in the vicinity of the bearing base (5) and designed as a slot (13) present in the strip (12) only when the fixing arm (6) is in the position pressed against the fixed frame (1). <IMAGE>

IPC 1-7

E05C 17/18

IPC 8 full level

E05C 17/18 (2006.01)

CPC (source: EP)

E05C 17/18 (2013.01)

Citation (examination)

- DE 2225055 B2 19761223
- DE 8901919 U1 19890413
- US 1597943 A 19260831 - WILHELM HAROLD N

Cited by

EP0719667A1; US2010037526A1; DE10308808A1; FR2733132A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0495198 A1 19920722; EP 0495198 B1 19980617; AT E167546 T1 19980715; DE 59109013 D1 19980723; DE 9100374 U1 19910404

DOCDB simple family (application)

EP 91121027 A 19911207; AT 91121027 T 19911207; DE 59109013 T 19911207; DE 9100374 U 19910114