

Title (en)
Automatic arrangement for doors and windows

Title (de)
Schliesskantensicherung

Title (fr)
Arrangement automatique pour portes et fenêtres

Publication
EP 0939188 A3 20000223 (DE)

Application
EP 99101189 A 19990122

Priority
DE 29801107 U 19980123

Abstract (en)
[origin: EP0939188A2] Each door or casement frame (1,2) has in the area of its main closing edge a sensor device (3,4) which is mounted on the frame and moved along with it. The sensor device has a sensor field which extends in the direction of movement of the casement frame in front of the main closing edge and at least with positions of the casement outside of the closing position does not detect the opposite main closing edge. The sensor field can be narrow and is preferably significantly shorter than the maximum opening width of the casement.

IPC 1-7
E05F 15/20; **E05F 15/14**; **E05F 15/10**

IPC 8 full level
E05F 15/10 (2006.01); **E05F 15/14** (2006.01); **E05F 15/20** (2006.01); **E05F 15/43** (2015.01)

CPC (source: EP)
B66B 13/08 (2013.01); **B66B 13/26** (2013.01); **E05F 15/43** (2015.01); **E05F 15/73** (2013.01); **E05Y 2400/664** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01); **E06B 2009/6836** (2013.01)

Citation (search report)
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• [DA] DE 3422228 A1 19851219 - DORMA BAUBESCHLAG [DE]
• [DA] DE 3044789 A1 19820715 - MASCHF AUGSBURG NUERNBERG AG [DE]
• [A] DATABASE WPI Section PQ Week 199747, Derwent World Patents Index; Class Q47, AN 1997-509843, XP002900748

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EP3660251A1

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EP 0939188 A2 19990901; **EP 0939188 A3 20000223**; **EP 0939188 B1 20031022**; AT E252679 T1 20031115; DE 19902589 A1 19990930; DE 29801107 U1 19990527; DE 59907408 D1 20031127

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