

Title (en)  
CATCH DEVICE

Publication  
**EP 0274656 A3 19890607 (DE)**

Application  
**EP 87118004 A 19871205**

Priority  
DE 3701106 A 19870116

Abstract (en)  
[origin: EP0274656A2] The invention relates to a catch device against undesired rolling of a roller door. A first worm wheel (2), which is connected to the roller door shaft (4) in a rotationally fixed manner, and a second worm wheel (5), which is mounted rotationally movably with respect to the first worm wheel (2) and the roller door shaft (4), mesh with the driving worm (1). The second worm wheel bears driver elements (7), which displace the blocking bodies (8) within a frictional locking mechanism (6-10) between the supporting surfaces (9, 10). During normal operation, the blocking bodies (8) are located approximately in the region of the centre of the supporting surface (9), so that the roller door shaft (4) runs freely within the stop (6) fixed to the housing. In the event of disturbance, for example wear of the teeth of the first worm wheel (2), a rotation of the two worm wheels (2, 5) relative to each other leads to a positional change of the driver elements (7) and thus of the blocking bodies (8) so that the roller door shaft (4) is blocked by means of the blocking bodies (8) directly against the stop (6) which is fixed to the housing, without the blocking force having to be transferred from the second worm wheel (5).

IPC 1-7  
**E06B 9/209**

IPC 8 full level  
**E06B 9/82** (2006.01); **E06B 9/84** (2006.01)

CPC (source: EP)  
**E06B 9/84** (2013.01)

Citation (search report)  
• [X] DE 3427505 A1 19860206 - MENKE WILHELM [DE]  
• [A] DE 3129648 A1 19830217 - NEUKIRCHEN W U H GMBH CO KG [DE]

Cited by  
GB2394754A; GB2394754B; EP3865446A1

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