

Title (en)  
Door clamping lock system

Title (de)  
Türklemmschlossvorrichtung

Title (fr)  
Système de serrage pour une serrure de porte

Publication  
**EP 1031693 A1 20000830 (EN)**

Application  
**EP 00301371 A 20000222**

Priority  
JP 4452699 A 19990223

Abstract (en)  
This system is capable of uniformly clamping a packing member (16) over its entire length without deforming vertical rods (2) and lateral rods (3) in a door locking operation in which hook members (8) are not subjected to any shearing force, i.e., are not deformed. Of the hook members (8) fixedly mounted on these rods (2,3): the left and right ones (2) extend along left and right sides of a door (1), respectively; and, the upper and lower rods (3) extend along upper and lower sides of the door (1), respectively. Each of catch rollers (7) fixedly mounted on a box body (6) is drawn aside by a hook portion (8a) of the hook member (8) in the locking operation. Guide rollers (9) fixedly mounted on the door (1) are slidably engaged with slot portions (8b) of the hook members (8). After the door (1) is closed, a lock handle member (10) is operated to move the hook members (8), which causes the packing member (11) to be clamped. <IMAGE>

IPC 1-7  
**E05C 9/18**; **E05B 17/00**; **E05C 9/06**

IPC 8 full level  
**E06B 7/18** (2006.01); **E05C 9/06** (2006.01); **E05C 9/18** (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP)  
**E05C 9/063** (2013.01); **E05C 9/12** (2013.01); **E05B 17/0025** (2013.01); **E05C 9/185** (2013.01)

Citation (search report)

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DOCDB simple family (application)  
**EP 00301371 A 20000222**; AT 00301371 T 20000222; DE 60012385 T 20000222; HK 01101121 A 20010215; JP 4452699 A 19990223