

Title (en)  
Lock mechanism for safe doors

Title (de)  
Riegelwerk für eine Tresortür

Title (fr)  
Système de verrouillage pour une porte d'un coffre-fort

Publication  
**EP 1164246 A3 20040204 (DE)**

Application  
**EP 01106016 A 20010312**

Priority  
DE 10029120 A 20000614

Abstract (en)  
[origin: EP1164246A2] The first bascule rod (32) is movable in a transverse direction; at least one second bascule rod (33) is movable in a lengthwise direction. Both bascule rods are drive by a cog wheel (35) mounted in the base plate (31). The bolt of the lock fits into one of the bascule rods. The first bascule rod has chamfered locking arms (32b,32c) resting against the edges of the second bascule rod which has cavities (33a) into which the locking arms of the first bascule rod fit.

IPC 1-7  
**E05G 1/04**; E05C 9/00; E05B 63/14; E05B 17/20; E05B 65/00

IPC 8 full level  
**E05B 65/00** (2006.01); **E05G 1/04** (2006.01); E05B 15/00 (2006.01); E05B 17/20 (2006.01)

CPC (source: EP)  
**E05B 65/0075** (2013.01); **E05G 1/04** (2013.01); E05B 15/004 (2013.01); E05B 17/2038 (2013.01)

Citation (search report)  
• [A] US 4679415 A 19870714 - SPRATT KENNETH [US]  
• [A] US 1179731 A 19160418 - MCDONALD ADDIE F [US]  
• [A] US 1577335 A 19260316 - MARIOTTI JOSEPH J  
• [A] US 4432573 A 19840221 - GOLDMAN ILAN [IL]  
• [A] US 1505865 A 19240819 - MARIO COSTA  
• [A] EP 0955432 A2 19991110 - SURELOCK MCGILL LIMITED [GB]  
• [A] EP 0545899 A2 19930609 - WINKHAUS FA AUGUST [DE]

Cited by  
CN102444333A; CN100434650C; US2021115724A1; US11866987B2; CN102747921A; US2021095515A1; US11767703B2

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