

Title (en)
DOOR FASTENING DEVICE

Title (de)
TÜRBEFESTIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE FIXATION DE PORTE

Publication
EP 1165913 B1 20040211 (EN)

Application
EP 00977684 A 20001123

Priority
• GB 0004442 W 20001123
• GB 9929112 A 19991210

Abstract (en)
[origin: WO0142600A1] A door fastening device for securement at a jamb (10) of the frame of said door (11), the device having a casing with a slot (43) in a recessed central part of a front face (38) thereof at which is disposed a faceplate (40) adjustably secured to the casing and having a slot (47) aligned with slot (43) to allow passage of a bolt (13) of a lock (12) or latch of the door. The bolt is arranged, when extended, to engage and move rearwardly in the casing a cam (24) secured to one side of a link (23) which is pivotally mounted at its respective ends to swivel bolts (21). The rearwards movement of the link (23) causes the bolts to extend through respective openings in the front of the casing to prevent opening of the door. The cam has a flat surface (29; 31) and at 90 DEG thereto an arcuate nose surface (36), the cam being adjustably rotatable to position the flat surface or the nose surface in line with the bolt. Since the nose surface is radially further from the cam rotation axis than the flat surface, the adjustment compensates for differing gaps between the door and frame by ensuring the bolt always moves the link fully to its position where it causes both swivel bolts fully to extend.

IPC 1-7
E05B 63/24

IPC 8 full level
E05C 3/16 (2006.01); **E05B 63/14** (2006.01); **E05B 63/24** (2006.01); **E05C 9/16** (2006.01)

CPC (source: EP)
E05B 63/242 (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0142600 A1 20010614; AT E259460 T1 20040215; AT E304104 T1 20050915; AU 1532201 A 20010618; AU 768123 B2 20031204; CA 2362596 A1 20010614; CA 2362596 C 20070327; CN 100343465 C 20071017; CN 1339081 A 20020306; DE 60008223 D1 20040318; DE 60008223 T2 20041209; DE 60022559 D1 20051013; DE 60022559 T2 20060608; DK 1165913 T3 20040413; DK 1384842 T3 20051114; EP 1165913 A1 20020102; EP 1165913 B1 20040211; EP 1384842 A2 20040128; EP 1384842 A3 20040630; EP 1384842 B1 20050907; ES 2213631 T3 20040901; ES 2248665 T3 20060316; GB 9929112 D0 20000202; HK 1042535 A1 20020816; JP 2003517120 A 20030520; PT 1165913 E 20040531; TR 200400261 T4 20040421; ZA 200106776 B 20020816

DOCDB simple family (application)
GB 0004442 W 20001123; AT 00977684 T 20001123; AT 03008414 T 20001123; AU 1532201 A 20001123; CA 2362596 A 20001123; CN 00803354 A 20001123; DE 60008223 T 20001123; DE 60022559 T 20001123; DK 00977684 T 20001123; DK 03008414 T 20001123; EP 00977684 A 20001123; EP 03008414 A 20001123; ES 00977684 T 20001123; ES 03008414 T 20001123; GB 9929112 A 19991210; HK 02103520 A 20020509; JP 2001544458 A 20001123; PT 00977684 T 20001123; TR 200400261 T 20001123; ZA 200106776 A 20010816