

Title (en)
Actuator for a locking device

Title (de)
Betätigungsvorrichtung für ein Verschlussgetriebe

Title (fr)
Actionneur pour une crémone

Publication
EP 0677631 B2 20010314 (DE)

Application
EP 95103712 A 19950317

Priority
• DE 9405979 U 19940412
• DE 9415966 U 19941005

Abstract (en)
[origin: EP0677631A1] The fastening control comprises a collar in which either a drive nut for the force application of an operating handle (34) or on which the drive nut of the operating handle is rotatably supported. The drive nut has a recess (22) to accept the endpiece (23) of a shaft (24). The free end of the shaft serves as an engagement piece for a rotating coupling of the drive element of the fastening device. The shaft has a polygonal cross section. The end piece and the swing bearing head piece of the shaft have the same cross-sectional shape and size as the length of shaft between the peripherally narrower parts. The peripherally narrower parts to the end piece and swing bearing head piece are each defined by a steep pyramid surface, and by a flat conical surface to the shaft middle. <IMAGE>

IPC 1-7
E05B 3/08; **E05C 9/02**; **E05B 53/00**

IPC 8 full level
E05B 3/08 (2006.01); **E05B 53/00** (2006.01); **E05C 9/00** (2006.01); **E05C 9/02** (2006.01); **E05B 17/04** (2006.01); **E05B 63/00** (2006.01); **E05C 7/04** (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP)
E05B 3/08 (2013.01); **E05B 53/00** (2013.01); **E05C 9/021** (2013.01); **E05B 17/041** (2013.01); **E05B 63/0056** (2013.01); **E05C 7/04** (2013.01); **E05C 9/041** (2013.01)

Citation (opposition)
Opponent :
• DE 9103676 U1 19910704
• Dubbels Taschenbuch für den Maschinenbau, 11. Auflage 1956, S. 636

Cited by
EP1004725A1; DE19854589C2; DE202010012247U1; EP2426296A1; DE10164095A1; EP1323951A3; DE19854589A1; EP1323951A2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0677631 A1 19951018; **EP 0677631 B1 19980204**; **EP 0677631 B2 20010314**; AT E163059 T1 19980215; DE 59501391 D1 19980312; DK 0677631 T3 19980504; DK 0677631 T4 20011105; ES 2115282 T3 19980616; ES 2115282 T5 20010616

DOCDB simple family (application)
EP 95103712 A 19950317; AT 95103712 T 19950317; DE 59501391 T 19950317; DK 95103712 T 19950317; ES 95103712 T 19950317