Title (en)

Disengageable coupling device for two coaxial axles associated with lock operating handles

Title (de)

Ausschaltbare Kupplungsvorrichtung für zwei, mit Betätigungshändel eines Schlosses verbundenen, koaxialen Achsen

Title (fr)

Dispositif d'accouplement débrayable de deux tiges coaxiales associées à des poignées d'actionnement d'une serrure

Publication

EP 0709535 A3 19961106 (FR)

Application

EP 95401961 A 19950825

Priority

FR 9413034 A 19941031

Abstract (en)

[origin: EP0709535A2] The door lock is turned by a rectangular section shaft (8) which is permanently connected to an interior handle. The rectangular section shaft (8) may be connected to an external shaft (16) and handle (18) through coupling members (40,52). The coupling members (40,52) are made solid mechanically by a radial pin (68) when it bridges them and in this position the lock may be operated by the external handle (18). When the motor (120) is started by the keyboard (28) a ring (104) with an internal cam profile substitutes a ball (108) for the pin tip (78) and this releases the coupling members isolating the lock from the outside.

IPC 1-7

E05B 47/06

IPC 8 full level

E05B 47/06 (2006.01); E05B 47/00 (2006.01); G07C 9/00 (2006.01)

CPC (source: EP)

E05B 47/0692 (2013.01); **E05B 63/16** (2013.01); E05B 47/0012 (2013.01); E05B 2047/002 (2013.01); E05B 2047/0026 (2013.01); E05B 2047/0031 (2013.01); G07C 9/00674 (2013.01)

Citation (search report)
- [A] US 5113675 A 19920519 - UYEDA ALAN K [US]
- [A] GB 1440004 A 19760623 - WILMOT BREEDEN LTD

Cited by

EP0844346A3; FR2855202A1; EP1457624A1; EP0887495A1; US10369814B2; US11187008B2; US7096698B2; EP1310618A3; GB2587864A; GB2587864B; WO2019210988A1; WO2004104330A1; WO9815703A1

Designated contracting state (EPC)

DE ES GB IT NL

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