

Title (en)  
Electronic closing cylinder

Title (de)  
Elektronischer Schliesszylinder

Title (fr)  
Cylindre de fermeture électronique

Publication  
**EP 0559158 B1 19981202 (DE)**

Application  
**EP 93103323 A 19930302**

Priority  
DE 4207161 A 19920306

Abstract (en)  
[origin: US5469727A] An electronic lock cylinder comprises a housing (1) with a cylinder core (9) disposed rotatably therein and lockable by a key (15) via mechanical tumblers (21). Electronic control circuits (45, 47) capable of being coupled inductively via coupling coils (43, 49) for the transmission of coding information, are associated with the lock cylinder and the key (15). The coupling coil (43) of the lock cylinder, and the electronic components included in the lock cylinder and a mounting (51), are combined into a structural unit which is removably attached to a front face of the lock cylinder. This permits separate assembly of the mechanical components and of the electronic components of the lock cylinder.

IPC 1-7  
**E05B 49/04**

IPC 8 full level  
**E05B 47/00** (2006.01); **E05B 9/00** (2006.01); **E05B 17/22** (2006.01); **E05B 19/00** (2006.01); **E05B 19/04** (2006.01); **E05B 47/06** (2006.01); **E05B 49/00** (2006.01); **E05B 49/04** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)  
**G07C 9/00309** (2013.01 - EP US); **G07C 2009/00777** (2013.01 - EP US); **Y10T 70/7062** (2015.04 - EP US); **Y10T 70/7079** (2015.04 - EP US); **Y10T 70/7876** (2015.04 - EP US); **Y10T 70/7904** (2015.04 - EP US)

Cited by  
DE20107870U1; FR2720703A1; EP0730073A3; EP0746662A4; EP0838568A1; US5878611A; CN101949236A; CN102392559A; US8528373B2; EP3059360B1

Designated contracting state (EPC)  
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**US 2766493 A 19930308**; AT 93103323 T 19930302; CZ 33493 A 19930304; DE 4207161 A 19920306; DE 59309169 T 19930302; EP 93103323 A 19930302; FI 930994 A 19930305; HU 9300632 A 19930305; PL 29794393 A 19930304