

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 5469727 A 19951128; AT E174094 T1 19981215; CZ 280855 B6 19960417; CZ 33493 A3 19940119; DE 4207161 A1 19930909; DE 59309169 D1 19990114; EP 0559158 A1 19930908; EP 0559158 B1 19981202; FI 108309 B 20011231; FI 930994 A0 19930305; FI 930994 A 19930907; HU 218628 B 20001028; HU 9300632 D0 19930628; HU T64128 A 19931129; PL 170543 B1 19961231; PL 297943 A1 19930920

DOCDB simple family (application)
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