

Title (en)
Locking cylinder for an electronic key

Title (de)
Schließzylinder für einen elektronischen Schlüssel

Title (fr)
Cylindre de fermeture pour une clé électronique

Publication
EP 2708681 A3 20171018 (DE)

Application
EP 13182643 A 20130902

Priority
DE 102012216107 A 20120912

Abstract (en)
[origin: EP2708681A2] The cylinder (1) has a core (3) movable in a housing (2), and a closed channel (5) for introduction of an electronic key (6). An antenna (8) is arranged in the housing to receive electronic signals from the key, and an electronic check device (7) is arranged in the core for optional locking or releasing of the movement of the core as a function of the signals of the key. The antenna directly faces a transmission antenna (11) arranged in the core for contactless transmission of the signals of the key. A receive antenna (13) is arranged at the close channel immediately in the core.

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

CPC (source: EP)
E05B 47/063 (2013.01); **G07C 9/00944** (2013.01); **G07C 9/00309** (2013.01); **G07C 2009/00777** (2013.01)

Citation (search report)

- [ID] DE 19906578 A1 20000824 - WINKHAUS FA AUGUST [DE]
- [A] EP 1079051 A1 20010228 - WINKHAUS FA AUGUST [DE]
- [A] EP 1717761 A2 20061102 - CESTRONICS GMBH [DE]
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- [A] EP 1174572 A2 20020123 - BUGA SCHLIESSSYSTEME AG [DE]
- [A] EP 0688928 A1 19951227 - TELEFUNKEN MICROELECTRON [DE]

Cited by
EP2993283A1; FR3025236A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2708681 A2 20140319; EP 2708681 A3 20171018; EP 2708681 B1 20200715; DE 102012216107 A1 20140313; ES 2811059 T3 20210310

DOCDB simple family (application)
EP 13182643 A 20130902; DE 102012216107 A 20120912; ES 13182643 T 20130902