

Title (en)
CYLINDER FOR LOCK

Title (de)
ZYLINDER FÜR SCHLOSS

Title (fr)
CYLINDRE POUR SERRURE

Publication
EP 0748909 A4 19980311 (EN)

Application
EP 95939385 A 19951206

Priority
• JP 9502499 W 19951206
• JP 32985894 A 19941206

Abstract (en)
[origin: WO9618014A1] A cylinder for locks, adapted to be mounted to a lock body, has an outer cylinder which serves as a housing. A first inner cylinder, into which an electronic key is inserted, and a second inner cylinder adapted to be connected to a locking and unlocking mechanism of the lock body are rotatably provided in the outer cylinder. A connecting pin is retractably held by the first inner cylinder, and serves to connect the first inner cylinder and the second inner cylinder to each other when it advances. In the case where a proper key is inserted, a connecting pin controlling mechanism advances the connecting pin to mechanically keep the advancing state of the connecting pin, and in the case where the key is pulled out, the connecting pin is retracted by the connecting pin controlling mechanism. The connecting pin controlling mechanism has a cam plate which abuts against a projection of the connecting pin. When the cam plate inclines, the connecting pin is retracted, and when a cam member is made upright, the connecting pin is advanced.

IPC 1-7
E05B 17/22; E05B 49/00

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

CPC (source: EP US)
E05B 17/04 (2013.01 - EP US)

Citation (search report)
• [XY] EP 0290330 A1 19881109 - PARIENTI RAOUL
• [YA] WO 8703640 A1 19870618 - LLORT OSCAR [FR]
• [PX] PATENT ABSTRACTS OF JAPAN vol. 096, no. 004 30 April 1996 (1996-04-30)
• See references of WO 9618014A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
WO 9618014 A1 19960613; AU 4123196 A 19960626; EP 0748909 A1 19961218; EP 0748909 A4 19980311; JP 3670326 B2 20050713; JP H08158715 A 19960618; US 5722274 A 19980303

DOCDB simple family (application)
JP 9502499 W 19951206; AU 4123196 A 19951206; EP 95939385 A 19951206; JP 32985894 A 19941206; US 68253996 A 19960725