

Title (en)
MANUFACTURING PROCESS OF A ROTARY CYLINDER LOCK ASSEMBLY

Title (de)
HERSTELLUNGSVERFAHREN EINER DREHZYLINDERSCHLOSSANORDNUNG

Title (fr)
PROCEDE DE FABRICATION D'UN ENSEMBLE DE VERROU A BARILLET ROTATIF

Publication
EP 1851404 A1 20071107 (FR)

Application
EP 06707987 A 20060202

Priority
• EP 2006050626 W 20060202
• FR 0501447 A 20050211

Abstract (en)
[origin: FR2882081A1] The lock (1) has a rotor (10) mounted rotatably inside a stator (20). Springs are mounted to move inside guide housings (41-46) between a locking and an unlocked position, where each spring is coupled to an elastic return unit. Each one of the housings receives two types of springs which cooperate with two key grooves which extend to oppose a drive force exerted by the associated return unit when the key is inserted in the rotor. An independent claim is also included for a motor vehicle comprising a locking/unlocking device.

IPC 8 full level
E05B 29/00 (2006.01)

CPC (source: EP KR US)
E05B 29/00 (2013.01 - EP KR US); **E05B 19/0058** (2013.01 - EP US); **Y10T 70/5889** (2015.04 - EP US); **Y10T 70/7599** (2015.04 - EP US)

Citation (search report)
See references of WO 2006084818A1

Citation (third parties)
Third party :
• US 2358164 A 19440912 - GUIDO HONGER
• DE 202005010309 U1 20051124 - EURO LOCKS SA [BE]
• EP 1815092 A1 20070808 - TOKAI RIKI CO LTD [JP]

Designated contracting state (EPC)
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DOCDB simple family (publication)
FR 2882081 A1 20060818; FR 2882081 B1 20070504; BR PI0608318 A2 20110104; BR PI0608318 B1 20170509; CN 101137811 A 20080305; CN 101137811 B 20121107; EP 1851404 A1 20071107; EP 1851404 B1 20161123; JP 2008530399 A 20080807; JP 5031586 B2 20120919; KR 101254827 B1 20130415; KR 20070120097 A 20071221; MX 2007009761 A 20070820; US 2008178647 A1 20080731; WO 2006084818 A1 20060817

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