

Title (en)  
Lock cylinder

Title (de)  
Schliesszylinder

Title (fr)  
Cylindre de fermeture

Publication  
**EP 1516983 B1 20060621 (DE)**

Application  
**EP 04103192 A 20040706**

Priority  
DE 10343109 A 20030918

Abstract (en)  
[origin: EP1516983A1] The lock has a housing (1) and key operated cylinders (4,5) whose rotation is inhibited by a bolt (10) normally engaging a recess (11) in the cylinder. A piezoelectric element (15) in a cavity (13) causes the bolt to withdraw when electrically activated.

IPC 8 full level  
**E05B 47/00** (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); **E05B 47/0011** (2013.01)

Cited by  
DE102009028599A1; EP2993283A1; AT504333B1; CN105545095A; DE112007002578B4; FR3025236A1; DE102018108116B4;  
WO2010063050A3; WO2008058415A1; EP2287424A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1516983 A1 20050323; EP 1516983 B1 20060621**; AT E331105 T1 20060715; DE 10343109 A1 20050421; DE 502004000812 D1 20060803;  
ES 2266993 T3 20070301

DOCDB simple family (application)  
**EP 04103192 A 20040706**; AT 04103192 T 20040706; DE 10343109 A 20030918; DE 502004000812 T 20040706; ES 04103192 T 20040706