

Title (en)

KEY WITH A PIVOTING ELEMENT AND A LOCK

Title (de)

SCHLÜSSEL MIT EINEM DREHBAREN ELEMENT UND EINEM SCHLOSS

Title (fr)

CLÉ AVEC UN ÉLÉMENT PIVOTANT ET UN VERROU

Publication

EP 3103944 A1 20161214 (EN)

Application

EP 15171984 A 20150612

Priority

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Abstract (en)

The present invention concerns a key for a cylinder lock. The key (3a) comprises a key shaft (22) for inserting into a key channel of the cylinder lock; and a force transferring means (31) disposed in the key shaft (22) and comprising a first pin engaging surface (39 1) for engaging with a first rotor pin of the cylinder lock, and a second pin engaging surface (39 2) for engaging with a second rotor pin of the cylinder lock. The force transferring means (31) is configured such that, in response to a first force exerted by the first pin on the first pin engaging surface (39 1) in a first direction, the second pin engaging surface (39 2) exerts a second force on to the second pin in a second direction. The second direction is substantially opposite to the first direction. The invention also relates to the corresponding cylinder lock.

IPC 8 full level

E05B 27/00 (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP)

E05B 35/004 (2013.01)

Citation (applicant)

- ES 2088345 A2 19960801 - SISTEMAS & TEC SEGURIDAD [ES]
- EP 0416500 A1 19910313 - ITALIANA SERRATURE AFFINI [IT]
- CH 407799 A 19660215 - BERCHTOLD AG [CH]
- WO 9828508 A1 19980702 - KABA SCHLIESSSYSTEME AG [CH], et al

Citation (search report)

- [XY] WO 2015063755 A1 20150507 - KARPFFEN ASHER [IL], et al
- [X] EP 0890694 A1 19990113 - DOM SICHERHEITSTECHNIK [DE]
- [Y] EP 0213069 A2 19870304 - HALTER SICHERHEITSSCHLOSS [CH]
- [Y] JP S62149561 U 19870921
- [Y] GB 2058199 A 19810408 - BAUER KABA AG

Cited by

CN113366180A; EP3483364A1; IT201700028885A1; KR20190126396A; CN110621835A; RU2758625C2; US11220841B2; US11933071B2; WO2018166662A1; WO2020157742A1; TWI808296B

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