

Title (en)
Improved lock cylinder & key therefor

Title (de)
Schließzylinder und Schlüssel dafür

Title (fr)
Barillet de serrure et clé correspondante

Publication
EP 2360333 A3 20120229 (EN)

Application
EP 11250105 A 20110201

Priority

- GB 201002548 A 20100215
- GB 201012265 A 20100721

Abstract (en)
[origin: EP2360333A2] The invention relates to a key comprising a handle, a shaft, a stop shoulder and an unlocking shoulder. The stop shoulder and the unlocking shoulder are axially spaced apart by a predetermined distance such that when the shaft is inserted into the keyway of a complementary lock, the unlocking shoulder serves to move the lock into an unlocked position when the stop shoulder abuts the lock to denote that the shaft is fully inserted in the keyway. The unlocking shoulder is provided by a first partial transverse cut-out in the stop shoulder. The key further comprises a second partial transverse cut-out extending along the length of the shaft to allow the shaft to by-pass a partial obstruction in the keyway, and wherein the width of the shaft is narrowed to produce a gap, the gap being provided to permit the key to turn past the obstruction to unlock the lock. Also disclosed is a lock for use with the above key and a method of manufacturing the key.

IPC 8 full level
E05B 19/00 (2006.01); **E05B 25/02** (2006.01); **E05B 27/10** (2006.01)

CPC (source: EP)
E05B 27/0042 (2013.01); **E05B 27/08** (2013.01); **E05B 19/0017** (2013.01)

Citation (search report)

- [X] NL 6917889 A 19700602
- [XAI] FR 2237483 A5 19750207 - RUIZ JACQUES [FR]
- [A] WO 2004009937 A1 20040129 - KELLER ERNST [CH]
- [A] GB 608097 A 19480909 - YALE & TOWNE MFG CO
- [AD] EP 0892130 A2 19990120 - COWPER BRIAN [GB]

Cited by
DE102016122256A1; CN102535967A; CN111962977A; CN109138638A; CN102787752A; FR3069565A1; WO2019020944A1; US9416561B2; US9771738B2; EP3219882A1; EP3219883A1; RU2724860C2; US10890011B2; AU2017235150B2; US8881566B2; US9045916B2; DE102015007961A1; WO2015112952A1; WO2017157586A1; US9021843B2; US9027373B2; US9725923B2; US10480215B2

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 2360333 A2 20110824; EP 2360333 A3 20120229; EP 2360333 B1 20160824; GB 201002548 D0 20100331; GB 201012265 D0 20100908

DOCDB simple family (application)
EP 11250105 A 20110201; GB 201002548 A 20100215; GB 201012265 A 20100721