

Title (en)
Improved lock cylinder & key therefor

Title (de)
Schließzylinder und Schlüssel dafür

Title (fr)
Barillet de serrure et clé correspondante

Publication
EP 2360333 A2 20110824 (EN)

Application
EP 11250105 A 20110201

Priority

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- GB 201012265 A 20100721

Abstract (en)

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.

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Citation (applicant)
EP 0892130 B1 20030910 - BANHAM PATENT LOCKS LTD [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

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