

Title (en)
Combined mechanical and electronic key

Title (de)
Kombinierter mechanischer und elektronischer Schlüssel

Title (fr)
Clé mécanique et électronique en combinaison

Publication
EP 2466041 A3 20130417 (DE)

Application
EP 11191251 A 20111130

Priority
DE 102010061331 A 20101217

Abstract (en)
[origin: EP2466041A2] The key has wings (33) detached from grooves, and a driver (34) engaging with a contour (35) of a bearing point (30) during movement between an inoperative position and an operative position (5). The grooves comprise two pairs of groove parts. The wings are snapped into in the groove parts in the inoperative position and in the operative position of the key portion. A link part is formed such that one of the pairs of groove parts is aligned relative to an interior (14) of a housing (10), and high forces from the key portion on the housing are absorbed.

IPC 8 full level
E05B 19/00 (2006.01); **B60R 25/04** (2013.01)

CPC (source: EP US)
E05B 19/043 (2013.01 - EP US); **G07C 9/00944** (2013.01 - EP US); **Y10T 70/7107** (2015.04 - EP US); **Y10T 70/7876** (2015.04 - EP US); **Y10T 70/8676** (2015.04 - EP US)

Citation (search report)

- [AD] DE 102006036503 A1 20080207 - HELLA KGAA HUECK & CO [DE]
- [A] EP 1889992 A1 20080220 - DELPHI TECH INC [US]
- [A] DE 102007035529 A1 20090129 - TEETZ ULRICH [DE], et al

Cited by
FR2992673A1; WO2014001500A1

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 2466041 A2 20120620; EP 2466041 A3 20130417; EP 2466041 B1 20170322; CN 102535963 A 20120704; CN 102535963 B 20160302; DE 102010061331 A1 20120621; US 2012151977 A1 20120621; US 8616032 B2 20131231

DOCDB simple family (application)
EP 11191251 A 20111130; CN 201110425424 A 20111216; DE 102010061331 A 20101217; US 201113326702 A 20111215