

Title (en)  
METHOD AND DEVICES FOR UNLOCKING A MOTOR VEHICLE WITH AN ENGINE STARTING AND/OR VEHICLE ACCESSING SYSTEM

Title (de)  
VERFAHREN UND VORRICHTUNGEN ZUM ENTRIEGELN EINES KRAFTFAHRZEUGS MIT EINEM MOTORSTART- UND/ODER FAHRZEUGZUGANGSSYSTEM

Title (fr)  
PROCÉDÉ ET DISPOSITIFS DE DÉVERROUILLAGE D'UN VÉHICULE AUTOMOBILE AVEC UN SYSTÈME DE DÉMARRAGE DE MOTEUR ET/OU D'ACCÈS À UN VÉHICULE

Publication  
**EP 3411853 A1 20181212 (DE)**

Application  
**EP 17701487 A 20170125**

Priority  
• DE 102016201603 A 20160203  
• EP 2017051529 W 20170125

Abstract (en)  
[origin: WO2017133943A1] The invention relates to a method and a device (Kfz-key) with a motor vehicle key (Kfz-key) for unlocking (Tür-auf) a motor vehicle (Kfz) with an engine starting and/or vehicle accessing system (Kfz-Zug). The motor vehicle key (Kfz-key), which can be arranged on a motor vehicle (Kfz), has a Bluetooth antenna (BluetAnt) and additionally a motor vehicle communication antenna (KfzKeyAnt). The motor vehicle key (Kfz-key) is designed (App) to - establish a Bluetooth connection (Bluet) to a wireless mobile terminal (MS) via the Bluetooth antenna (BluetAnt) of the motor vehicle key using an activation key (PIN) which is known to the motor vehicle key (Kfz-key) and - instruct (Entrieg) a motor vehicle controller (KfzContrl) installed in the motor vehicle (Kfz) to initiate an unlocking process ("Tür-auf", "Tür-zu", "Motor-an") of the motor vehicle (Kfz). Preferably, the motor vehicle key (Kfz-key) is designed (App) to - request (AuthAnfr) an authentication (Auth) from a server (Serv) via a Bluetooth connection (Bluet) to the wireless mobile terminal (MS) and - instruct (Entrieg) a motor vehicle controller (KfzContrl) installed in the motor vehicle (Kfz) to initiate an unlocking process ("Tür-auf", "Tür-zu", "Motor-an") of the motor vehicle (Kfz) only if the motor vehicle key (Kfz-key) has received an authentication (Auth-ok) of the server (Serv) from the wireless mobile terminal (MS).

IPC 8 full level  
**G07C 9/00** (2006.01); **B60R 25/00** (2013.01)

CPC (source: EP US)  
**B60R 25/24** (2013.01 - EP US); **G07C 9/00309** (2013.01 - EP US); **B60R 2325/101** (2013.01 - EP US); **G07C 2009/00341** (2013.01 - EP US); **G07C 2009/0038** (2013.01 - EP US); **G07C 2009/00428** (2013.01 - EP US); **G07C 2009/00992** (2013.01 - EP US); **H04W 76/10** (2018.01 - US)

Citation (search report)  
See references of WO 2017133943A1

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)  
**DE 102016201603 A1 20170803**; CN 108713219 A 20181026; CN 108713219 B 20220906; EP 3411853 A1 20181212; US 10532720 B2 20200114; US 2019039567 A1 20190207; WO 2017133943 A1 20170810

DOCDB simple family (application)  
**DE 102016201603 A 20160203**; CN 201780009838 A 20170125; EP 17701487 A 20170125; EP 2017051529 W 20170125; US 201716074517 A 20170125