Title (en)
VEHICLE KEY

Title (de)
FAHRZEUGSCHLÜSSEL

Title (fr)
CLÉ DE VÉHICULE

Publication
EP 2234848 A2 20101006 (DE)

Application
EP 09706259 A 20090130

Priority
• EP 2009051065 W 20090130
• DE 102008007141 A 20080131
• DE 102009006975 A 20090130

Abstract (en)
[origin: WO2009095472A2] Described is a vehicle key (5) for wireless communication with a vehicle (1). Said vehicle key (5) comprises a radio transmitter (7) for transmitting radio signals to the vehicle (1). In order to be able to locate the vehicle (1) within a close range, the vehicle key (5) further comprises a radio receiver (6) and/or an acoustic receiver (6), bidirectional communication with a transceiver (2) of the vehicle (1) being enabled by means of the radio receiver (6) and/or the acoustic receiver (6) and the radio transmitter (5). A corresponding method for locating the vehicle (1) with the help of the vehicle key (5) is also described.

IPC 8 full level
B60R 25/102 (2013.01); **B60R 25/24** (2013.01); **B60R 25/33** (2013.01); **G01S 1/08** (2006.01); **G01S 3/00** (2006.01); **G01S 3/02** (2006.01); **G01S 3/80** (2006.01); **G01S 5/14** (2006.01); **G01S 13/76** (2006.01); **G01S 19/51** (2010.01); **G07C 9/00** (2006.01)

CPC (source: EP US)
B60R 25/102 (2013.01 - EP US); **B60R 25/24** (2013.01 - EP US); **B60R 25/33** (2013.01 - EP US); **G01S 19/51** (2013.01 - EP US); **G07C 9/00182** (2013.01 - EP US); B60R 2325/205 (2013.01 - EP US); G01S 3/046 (2013.01 - EP US); G07C 2009/00793 (2013.01 - EP US); G07C 2209/64 (2013.01 - EP US)

Citation (search report)
See references of WO 2009095472A2

Citation (examination)
• EP 1911639 A1 20080416 - VOLKSWAGEN AG [DE], et al
• DE 102004024995 A1 20051208 - BOSCH GMBH ROBERT [DE]
• DE 10341456 A1 20050331 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102009006979 A1 20090806; CN 101932481 A 20101229; DE 102009006975 A1 20090806; EP 2234848 A2 20101006; JP 2011515598 A 20110519; JP 5479367 B2 20140423; KR 101581975 B1 20151231; KR 20100116643 A 20101101; US 2011140926 A1 20110616; US 8643510 B2 20140204; WO 2009095472 A2 20090806; WO 2009095472 A3 20091015

DOCDB simple family (application)
DE 102009006979 A 20090130; CN 200980103572 A 20090130; DE 102009006975 A 20090130; EP 09706259 A 20090130; EP 2009051065 W 20090130; JP 2010544713 A 20090130; KR 20107019113 A 20090130; US 86500209 A 20090130