

Title (en)

MOBILE OBJECT CHARGING SYSTEM AND MOBILE OBJECT CHARGING METHOD BY MOBILE OBJECT CHARGING SYSTEM

Title (de)

MOBILOBJEKT-LADESYSTEM UND MOBILOBJEKT-LADEVERFAHREN DURCH MOBILOBJEKT-LADESYSTEM

Title (fr)

SYSTEME DE CHARGEMENT D'OBJET MOBILE ET PROCEDE DE CHARGEMENT D'OBJET MOBILE PAR LE SYSTEME DE CHARGEMENT D'OBJET MOBILE

Publication

**EP 1975884 A1 20081001 (EN)**

Application

**EP 07706351 A 20070104**

Priority

- JP 2007050004 W 20070104
- JP 2006000500 A 20060105
- JP 2006330984 A 20061207

Abstract (en)

A vehicle toll charge system includes a transponder with GPS function, a local controller taking and storing an image of a vehicle driving in a charging zone, and a central computer system. The central computer system executes a matching of charging position information and transaction information transmitted from the transponder and identification information of a vehicle stored in itself to check whether or not the charging on a vehicle loading the transponder is possible. When the charging is judged to be impossible, the central computer system requests a transmitting of an image of the vehicle loading the transponder from the local controller. By this configuration, a vehicle toll charge system and method are provided, which can be installed in a small cost without large scale constructions such as a gantry for setting roadside apparatuses for obtaining information from vehicles in a charging zone.

IPC 8 full level

**G08G 1/04** (2006.01); **G07B 15/00** (2011.01); **G07B 15/04** (2006.01); **G08G 1/017** (2006.01); **G08G 1/09** (2006.01)

CPC (source: EP)

**G07B 15/04** (2013.01); **G07B 15/063** (2013.01); **G08G 1/017** (2013.01); **G08G 1/04** (2013.01)

Cited by

US2018300966A1; US10445592B2; EP3418981A1; EP3300029A1; US10354457B2; US11557154B2; WO2019179678A1; WO2011063607A1; EP3427234A1; WO2024151380A3; WO2017153823A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1975884 A1 20081001**; **EP 1975884 A4 20110406**; **EP 1975884 B1 20121031**; HK 1121846 A1 20090430; JP 2007207220 A 20070816; JP 5517393 B2 20140611; SI 1975884 T1 20130228; WO 2007077988 A1 20070712

DOCDB simple family (application)

**EP 07706351 A 20070104**; HK 09101726 A 20090224; JP 2006330984 A 20061207; JP 2007050004 W 20070104; SI 200731134 T 20070104