Title (en)

TOLL COLLECTION SYSTEM

Title (de)

GEBÜHRENEINHOLSYSTEM

Title (fr)

SYSTÈME DE PÉAGE AUTOMATIQUE

Publication

EP 2034450 A4 20101124 (EN)

Application

EP 07767201 A 20070619

Priority

- JP 2007062343 W 20070619
- JP 2006179784 A 20060629

Abstract (en)

[origin: EP2034450A1] An objective is to provide a fee collection system that can expand a charging area at low cost, while effectively using current facilities. A fee collection system is provided with a fee collection device installed in a charging area (A), and a vehicle-mounted device, fitted in a vehicle (1), and exchanging information relating to charging with the fee collection device, the vehicle-mounted device detecting whether or not an expanded charging area has been entered based on location information acquired by a GPS receiver, and, when the charging area (A) is entered, notifying whether or not the expanded area (B) has been entered to a fee collection device by transmitting the state of an entry flag that represents whether or not the expanded charging area (B) has been entered to the fee collection device that is installed at a toll gate of the charging area (A). In this way, in the fee collection device, it is possible to also levy a road usage fee for an expanded charging area (B).

IPC 8 full level

G07B 15/00 (2006.01)

CPC (source: EP KR)

G07B 15/063 (2013.01 - EP KR)

Citation (search report)

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- [YA] EP 1120749 A1 20010801 - TOYOTA MOTOR CO LTD [JP], et al
- [Y] US 5490079 A 19960206 - SHARPE CLAUDE A [US], et al
- [A] WO 9636018 A1 19961114 - HIGHWAYMASTER COMM INC [US]
- [A] WO 9933027 A1 19990701 - COMBITECH TRAFFIC SYST AB [SE], et al
- See references of WO 2008001653A1

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CN107103648A

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 2034450 A1 20090311; **EP 2034450 A4 20101124**; AU 2007264484 A1 20080103; CN 101473356 A 20090701; JP 2008009731 A 20080117; JP 4648258 B2 20110309; KR 20090018129 A 20090219; MY 149218 A 20130731; WO 2008001653 A1 20080103

DOCDB simple family (application)

EP 07767201 A 20070619; AU 2007264484 A 20070619; CN 200780023361 A 20070619; JP 2006179784 A 20060629; JP 2007062343 W 20070619; KR 20087030458 A 20081215; MY PI20085113 A 20070619