

Title (en)

SYSTEM FOR DETERMINING THE TOLL FOR THE USE OF SECTIONS OF A STRETCH OF A ROAD OF A ROAD NETWORK AND CORRESPONDING METHOD

Title (de)

SYSTEM ZUR BESTIMMUNG VON MAUTGEBÜHREN FÜR DAS BEFAHREN VON WEGSTRECKENABSCHNITTEN EINES WEGENETZES UND DAZUGEHÖRIGES VERFAHREN

Title (fr)

SYSTEME POUR DETERMINER DES FRAIS DE PEAGE RELATIFS A L'UTILISATION DE TRONCONS DE VOIES D'UN RESEAU ROUTIER ET PROCEDE CORRESPONDANT

Publication

EP 1629439 A1 20060301 (DE)

Application

EP 04733555 A 20040518

Priority

- EP 2004005321 W 20040518
- DE 10324572 A 20030530

Abstract (en)

[origin: WO2004107274A1] The invention relates to a system for determining the toll for the use of sections of a stretch of a road of a road network by a vehicle. Said system comprises a traffic control center having a means of communication, at least one vehicle with a device that comprises a means of communication, a position determining means, a digital map of a road network and a computing unit, wherein said computing unit calculates the toll to be paid for the use by a vehicle of a section of a stretch of a road on the basis of data of the position determining means and the digital map and wherein the means of communication sends toll-related data to the traffic control center, said data comprising at least one time-wise allocated position of the vehicle on a section of a stretch of a road for which a toll has to be paid. According to the invention, additional means for allocating toll-related data to individual sections of the stretch of a road and means for determining dynamic traffic information for individual sections of the stretch of a road based on the assigned toll-related data are provided in the traffic control center.

IPC 1-7

G07B 15/00; **G08G 1/01**

IPC 8 full level

G07B 15/06 (2011.01); **G08G 1/01** (2006.01)

CPC (source: EP KR)

G07B 15/063 (2013.01 - EP KR); **G08G 1/0104** (2013.01 - EP KR); **G08G 1/22** (2013.01 - EP KR)

Citation (search report)

See references of WO 2004107274A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2004107274 A1 20041209; DE 10324572 A1 20041216; EP 1629439 A1 20060301; JP 2007503062 A 20070215; KR 20060006976 A 20060120; TW 200515311 A 20050501; ZA 200509603 B 20061025

DOCDB simple family (application)

EP 2004005321 W 20040518; DE 10324572 A 20030530; EP 04733555 A 20040518; JP 2006529852 A 20040518; KR 20057022870 A 20051130; TW 93115383 A 20040528; ZA 200509603 A 20051128