

Title (en)

Lean map matching OBU with an adaptive digital map

Title (de)

Schlanke Kartenanpassungs-OBUs mit einer adaptiven digitalen Karte

Title (fr)

Unités embarquées à bord de mise en correspondance de cartes pauvres avec une carte numérique adaptative

Publication

EP 2887324 A1 20150624 (EN)

Application

EP 13198093 A 20131218

Priority

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Abstract (en)

The object of the present invention is to provide a method for calculating a road charge for a vehicle, whereby said vehicle is provided with an OBU, wherein the OBU is provided with a GNSS receiver. The OBU is adapted to communicate with a central system and to receive position-information from the GNSS receiver. The OBU is provided with road charge object data regarding primary road charge objects and the central system is provided with road charge object data regarding at least secondary road charge objects. The OBU can detect passages of primary road charge objects and when the vehicle is travelling outside of the primary road charge object zone the OBU transmits information regarding the position of the vehicle to the central system such that the central system can detect passages of secondary road charge objects. The inventive method also comprises detection of appropriate updates of the road charge object data and methods for updating the road charge object data. The invention also relates to a system running such method.

IPC 8 full level

G07B 15/06 (2011.01)

CPC (source: EP)

G07B 15/063 (2013.01)

Citation (search report)

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- [IA] US 2013293422 A1 20131107 - GUENER REFI-TUGRUL [AT]
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- [A] WO 2009090515 A2 20090723 - NXP BV [NL], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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