

Title (en)

METHOD AND ONBOARD UNIT (OBU) FOR TOLL RECORDING

Title (de)

VERFAHREN UND ONBOARD UNIT (OBU) FÜR DIE MAUTERFASSUNG

Title (fr)

PROCÉDÉ ET UNITÉ EMBARQUÉE (OBU) POUR LA DÉTERMINATION DE TAXES DE PÉAGE

Publication

EP 3210194 A1 20170830 (DE)

Application

EP 15784334 A 20151020

Priority

- EP 14189554 A 20141020
- EP 2015074252 W 20151020

Abstract (en)

[origin: WO2016062712A1] An onboard unit (OBU) for recording the kilometres travelled by a vehicle on a toll road includes a GPS module (17) for running calculation of the vehicle position and the route travelled, a communication unit (23) for communication with a control device (31), and a computer unit with a processor (19) and a memory (15). The computer unit is connected to the GPS module (17), the communication unit (23), and the memory (15). A program (13) and data, such as OBU-ID and vehicle master data, are stored in the memory (15) of the OBU. In addition, the geographic coordinates of a plurality of control polygons, the distance thereof to other control polygons, and the corresponding measured routes, are also stored in the memory (15). The control polygons additionally function to determine whether road segments subject to tolls have been travelled. A travelled route or measuring section is, however, only counted if the result is plausible, i.e. an independent route measurement substantially corresponds to the polygon distances. It is also important that the routes are calculated on the basis of the officially determined measured street segment.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016062712A1

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Designated extension state (EPC)

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