

Title (en)

Automatic road use charging method

Title (de)

Verfahren zur automatischen Erhebung von Strassenbenutzungsgebühren

Title (fr)

Procédé de taxation automatique de péage routier

Publication

**EP 0802509 B1 20030507 (DE)**

Application

**EP 97100575 A 19970116**

Priority

DE 19615733 A 19960420

Abstract (en)

[origin: EP0802509A2] The method employs vehicle-borne equipment (1), a roadside beacon (2) and a satellite (3). In the vehicle a microwave transponder (4) is connected to a chip card (6) and a GPS radio-navigation module (7) which receives the satellite signal (S). The transponder transmits a flow of data (D1) including tariff-relevant parameters and positions to the beacon, from which it receives in return the amount of the toll (D2). When this has been debited the transponder sends a guarantee (Z) to the beacon, which responds with an acknowledgment (Q) to the chip card.

IPC 1-7

**G07B 15/00**

IPC 8 full level

**G07B 15/00** (2006.01); **G07B 15/06** (2011.01)

CPC (source: EP)

**G07B 15/063** (2013.01)

Cited by

EP2280287A1; EP2581882A1; EP2541502A1; EP1197925A3; EP1089088A3; CN102472820A; US8732000B2; US6580978B1; EP2325807A1; EP2407935A1; WO0175807A1; WO0235477A1; WO0103073A1; WO03034346A1; WO0111572A1; WO2011013076A1; US7006915B2; US9269197B2; EP1630747A2; US9159171B2

Designated contracting state (EPC)

AT CH DE GB LI SE

DOCDB simple family (publication)

**EP 0802509 A2 19971022; EP 0802509 A3 20000126; EP 0802509 B1 20030507**; AT E239952 T1 20030515; DE 19615733 A1 19971023; DE 59710013 D1 20030612

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