

Title (en)

Method and system for recording chargeable motor vehicles on toll roads and provision of information on the motor vehicles recorded

Title (de)

Verfahren und System zur Erfassung von mautpflichtigen Kraftfahrzeugen auf mautpflichtigen Verkehrswegen und zur Bereitstellung von Informationen über die erfassten Kraftfahrzeuge

Title (fr)

Procédé et système destinés à la détection de véhicules automobiles soumis à péage sur une voie de trafic soumise à péage et à la préparation des informations sur les véhicules automobiles enregistrés

Publication

EP 1868164 A3 20080702 (DE)

Application

EP 07109993 A 20070611

Priority

DE 102006027192 A 20060612

Abstract (en)

[origin: EP1868164A2] The method involves storing toll specific information of a mobile radio communication device (1) in a database of a computer unit (7). The transferred data is linked with the specific toll information, where the data is transmitted to a control unit of a supplier of a stationary and mobile component of toll controlling unit. A radio cell (2), particularly a micro cell or a pico cell (8) is assigned to each component of toll controlling unit. A location area code is provided for indicating the current position of the cell. The data exchange takes place between the vehicle and the cell. An independent claim is also included for a system for recording toll-requiring motor vehicles on toll-requiring traffic routes and for supplying information of the detected motor vehicles.

IPC 8 full level

G07B 15/06 (2011.01)

CPC (source: EP)

G07B 15/063 (2013.01)

Citation (search report)

- [X] US 6744383 B1 20040601 - ALFRED JOSEPH ANDERSON [US], et al
- [X] WO 2005091229 A1 20050929 - T MOBILE INT AG & CO KG [DE], et al
- [X] DE 102004033124 A1 20060209 - SCHROEDER JOBST W [DE]
- [X] WO 02084612 A1 20021024 - ERICSSON TELEFON AB L M [SE], et al
- [X] US 5488360 A 19960130 - RAY JIMMY C [US]
- [Y] DE 4408953 A1 19950921 - DEUTSCHE TELEKOM MOBIL [DE]
- [Y] DE 10200497 A1 20030710 - DEUTSCHE TELEKOM AG [DE]

Cited by

EP2866206A1; ES2354674A1; EP2299762A1; EP2627135A1; EP2202707A1; ES2341698A1; EP2267980A1; ES2358027A1; WO2013020580A1; US8442503B2; EP2866206B1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07109993 A 20070611; DE 102006027192 A 20060612; ES 07109993 T 20070611