

Title (en)

Automatic toll exaction system for urban and extraurban highways, for bridge and tunnel crossings and for accesses to urban areas and car parks.

Title (de)

Automatisches Zollabgabesystem für städtische und ausserstädtische Autobahnen, für Brücken und Tunnel und für Zugänge zu städtischen Gebieten und Parkplätzen.

Title (fr)

Système de péage automatique pour autoroutes se trouvant en ville et en dehors des villes, pour ponts et tunnels, et pour accès aux zones urbaines et aux parkings.

Publication

EP 0425961 A2 19910508 (EN)

Application

EP 90120224 A 19901022

Priority

IT 2212289 A 19891025

Abstract (en)

An automatic toll exaction system which comprises an onboard apparatus (5-9) which can be mounted onboard a motor vehicle (1) for the reception and transmission of messages, the handling and storage of the transactions and for interaction with the user, a personal card suitable (2) for activating the onboard apparatus, identifying the user and storing the payment transactions, and a ground-based apparatus (3,4) for ensuring the linkup with the onboard apparatus (5-9) for the exchange of data and messages, for sensing physical parameters suitable for classifying the vehicle (1) and for performing the processing of the data and parameters supplied by the onboard apparatus (5-9) and sensed by the ground-based apparatus (3,4) itself.

IPC 1-7

G07B 15/00; G07C 9/00

IPC 8 full level

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CPC (source: EP)

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Cited by

EP0798668A3; US6725202B1; US5974397A; JP2015090687A; EP0674292A3; DE4311995A1; DE4311995C2; DE4422418A1; DE4422418B4; CN100368229C; DE4334160A1; EP0982685A3; FR2701614A1; AU676282B2; EP0752688A3; DE4311989A1; DE4339004A1; DE4339004C2; US5451758A; EP1329853A3; EP1583038A1; EP0637002A1; FR2708767A1; DE4305324A1; DE4311996A1; FR2801119A1; DE19534139A1; ES2048027A2; CN109311426A; DE4446649A1; DE4339014A1; DE4339014C2; DE4410450A1; DE4410450C2; EP0722639A4; BE1009253A3; EP0759600A3; FR2732793A1; EP0687996A1; EP0632410A3; DE19614135B4; FR2726385A1; EP0633551A1; FR2707408A1; US5532689A; EP0577328A3; DE4311990A1; US6653946B1; US6317721B1; WO9428514A1; WO9428515A1; WO9611452A1; WO9428509A1; WO9724698A1; WO9428510A1; US11030428B2; WO9418580A1; WO9422112A1; WO2017218946A1; WO2005093370A1; WO9749068A1; WO9428512A1; WO9428511A1

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