

Title (en)
AN AUTOMATED COMPUTATIONAL METHOD AND TOLLING SYSTEM FOR THE DETERMINATION OF THE VALIDITY OF THE PASSAGE OF A VEHICLE IN A TOLL

Title (de)
AUTOMATISIERTES RECHENVERFAHREN UND MAUTSYSTEM ZUR BESTIMMUNG DER GÜLTIGKEIT DES VORBEIFAHRENS EINES FAHRZEUGS IN EINER MAUT

Title (fr)
PROCÉDÉ DE CALCUL AUTOMATISÉ ET SYSTÈME DE PÉAGE POUR LA DÉTERMINATION DE LA VALIDITÉ DU PASSAGE D'UN VÉHICULE DANS UN PÉAGE

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Abstract (en)
[origin: WO2022172147A1] The present disclosure is enclosed in the area of validation of vehicles in road tolls, which may also be designated as tolling systems. The present disclosure includes an automated computational method for the determination of the validity of the passage of a vehicle in a toll which includes two detection modes of a vehicle, through optical means and a mobile device receiving a wireless beacon with unique information associated with the toll and subsequently in connection with a remote backend server. The wireless beacon is a simple type of message which does not require that the mobile device and a fixed wireless device establish a connection. Such feature is one particularly relevant in the applications of the present disclosure, as it highly improves the efficacy of the receipt of the unique information associated with the toll by the mobile device. The present disclosure further includes a corresponding system.

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