

Title (en)

PROCESS FOR IDENTIFYING A VEHICLE ON A ROAD

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG EINES FAHRZEUGS AUF EINER STRASSE

Title (fr)

PROCEDE D'IDENTIFICATION D'UN VEHICULE EN CIRCULATION

Publication

**EP 0919000 A1 19990602 (DE)**

Application

**EP 97931722 A 19970709**

Priority

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- DE 19633240 A 19960817

Abstract (en)

[origin: DE19633240A1] This invention concerns a process for vehicle identification in which a vehicle (F1) within close range effects a data transmission with at least one beacon (3). This data transmission and the data of a sensor (51) permit correlation of the data transmission and vehicle position within the communication zone. The beacon uses the data transmission signal sent from the vehicle (F1) and received by the beacon (3) to determine the relative velocity of the vehicle. The sensor (51) also provides data about the velocity and position of the vehicle. The velocity relationship or several velocity relationships are used to determine the lane and thus the position of the vehicle (F1) sending data. A preferred application is in the deduction of road toll charges or in controlling travel authorization.

IPC 1-7

**G01S 11/04**; **G08G 1/052**

IPC 8 full level

**G07B 15/06** (2011.01); **G08G 1/017** (2006.01); **G01S 11/12** (2006.01); **G01S 13/88** (2006.01); **G01S 13/91** (2006.01); **G01S 17/88** (2006.01)

CPC (source: EP KR US)

**G01S 11/04** (2013.01 - KR); **G07B 15/063** (2013.01 - EP US); **G08G 1/017** (2013.01 - EP); **G01S 11/12** (2013.01 - EP); **G01S 13/88** (2013.01 - EP); **G01S 13/91** (2013.01 - EP US); **G01S 17/88** (2013.01 - EP)

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