

Title (en)  
APPARATUS AND METHOD FOR DETECTING THE TRANSIT OF A VEHICLE

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR ERKENNUNG DES DURCHFahrTS EINES FAHRZEUGS

Title (fr)  
APPAREIL ET PROCÉDÉ DE DÉTECTION DU TRANSIT D'UN VÉHICULE

Publication  
**EP 4224454 A1 20230809 (EN)**

Application  
**EP 23154279 A 20230131**

Priority  
IT 202200002066 A 20220204

Abstract (en)  
A system and a method for detecting the transit of a vehicle are described. The apparatus comprises sensors that provide data (registration number, speed, class, etc.) relative to the vehicles in transit. The apparatus also comprises a tracking device that provides information indicative of a sequence of positions of the vehicle through a tracking area, which includes the coverage areas of all the sensors of the apparatus. Each position is associated with the time at which the vehicle passed through that position. To determine whether the data detected by a sensor at a detection time  $t_E$  are relative to the vehicle, at least one position is identified, in the sequence of positions, associated with a time in a range about  $t_E$  and a comparison area is determined based thereon. If the comparison area overlaps the coverage area of the sensor that detected the data, it is concluded that these data relate to the vehicle.

IPC 8 full level  
**G08G 1/015** (2006.01); **G07B 15/06** (2011.01); **G08G 1/017** (2006.01); **G08G 1/04** (2006.01); **G08G 1/052** (2006.01); **G08G 1/056** (2006.01)

CPC (source: EP)  
**G07B 15/06** (2013.01); **G08G 1/015** (2013.01); **G08G 1/017** (2013.01); **G08G 1/0175** (2013.01); **G08G 1/04** (2013.01); **G08G 1/052** (2013.01); **G08G 1/056** (2013.01)

Citation (applicant)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

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KH MA MD TN

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