

Title (en)  
TRAFFIC COUNTING DEVICE

Title (de)  
VERKEHRSZÄHLEINRICHTUNG

Title (fr)  
DISPOSITIF DE COMPTAGE DE TRAFIC

Publication  
**EP 2422331 A1 20120229 (EN)**

Application  
**EP 10714659 A 20100415**

Priority  
• GB 2010000761 W 20100415  
• GB 0906824 A 20090421

Abstract (en)  
[origin: GB2469648A] A traffic counting device comprises a housing (10), a power supply (40), a vehicle sensor (60), a data storage device (50), a wireless receiver (34), and a wireless transmitter (32). The housing will preferably be disposed in a road surface and may resemble a conventional road stud. The power supply may be a battery (42) chargeable by a solar cell (46). The vehicle sensor (60) is disposed within the housing and is operable to sense the passage of vehicles along the road surface and may be a magnetometer. An environmental sensor, such as a temperature sensor (70) may also be used to calibrate the magnetometer. The data storage device is operable to store sensed vehicle data. Preferably, the storage device may be a non volatile memory with the capacity to store several months of data. A radio clock such as a GPS receiver (80) may be used to associate a time with the sensed data. The wireless receiver (34) is operable to listen for the presence of a nearby external communication device and transmit using the transmitter (32) at least a portion of the stored vehicle data in response to a data request from a nearby external communication device. A corresponding method of collecting traffic data using a traffic counting device disposed in the road surface is also described.

IPC 8 full level  
**G08G 1/042** (2006.01); **G08G 1/048** (2006.01); **G08G 1/065** (2006.01)

CPC (source: EP GB)  
**G08G 1/042** (2013.01 - EP GB); **G08G 1/048** (2013.01 - EP); **G08G 1/065** (2013.01 - EP)

Citation (search report)  
See references of WO 2010122284A1

Citation (examination)  
• DE 10152223 A1 20030417 - BOSCH GERHARD [DE]  
• WO 2007047600 A1 20070426 - D TEK WIRELESS CORP [US], et al

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

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