

Title (en)

System for monitoring vehicle transit along a highway section

Title (de)

System zur Überwachung des Fahrzeugaufkommens in einem Autobahnabschnitt

Title (fr)

Système de surveillance d'un passage de véhicule le long d'une section d'autoroute

Publication

EP 1998303 A1 20081203 (EN)

Application

EP 07425302 A 20070521

Priority

EP 07425302 A 20070521

Abstract (en)

A system for monitoring transit of vehicles along a highway section (2), the system having a number of transmitting-receiving stations (4a, 4b, 4c) installed along the highway section and forming part of a wireless sensor network; each of the transmitting-receiving stations (4a, 4b, 4c) being configured to communicate with the other transmitting-receiving stations (4a, 4b, 4c), and having an independent power source, and a charging device for charging the independent power source; and the system being characterized in that a number of pairs (A 1 , A 2 , A 3 , A 4) of the number of transmitting-receiving stations (4a, 4b) are configured to operate: - in a first operating mode (ACTIVE), in which transit of vehicles along the highway section (2) is detected, and the type of vehicles in transit along the highway section (2) is determined; and - in a second charge operating mode (SLEEP), in which the charging device for charging the independent power source is activated; and in that at least one pair of transmitting-receiving stations (4a, 4b) operates in one of the first and second operating modes (ACTIVE, SLEEP), which differs from the operating mode of the other pairs.

IPC 8 full level

G08G 1/015 (2006.01)

CPC (source: EP)

G08G 1/015 (2013.01)

Citation (search report)

- [A] US 6417783 B1 20020709 - GABLER MANFRED [DE], et al
- [A] US 4247768 A 19810127 - ELMER PETER J, et al
- [A] US 3872283 A 19750318 - SMITH GERALD R, et al
- [A] US 6690292 B1 20040210 - MEADOWS VERNON [US], et al

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CN104103172A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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