

Title (en)
Vehicle traffic monitoring system, central control unit, and method

Title (de)
System, Zentrale und Verfahren zur Verkehrsüberwachung

Title (fr)
Système, unité centrale et procédé de surveillance du trafic

Publication
EP 1296302 A1 20030326 (EN)

Application
EP 02013090 A 20020613

Priority
IT BO20010571 A 20010920

Abstract (en)
A vehicle traffic monitoring central control unit (2) installable along a road section (3) and having a first and a second infrared sensor (7) supplying respective presence signals (Sp) indicating the passage of a vehicle (4) along the road section (3); a clock circuit (8) for supplying a clock signal (STIM) indicating the instant at which passage of the vehicle (4) past each infrared sensor (7) occurs; a processing circuit (9) for processing the presence signals (Sp) and the clock signal (STIM) to obtain a number of information items relating to passage of the vehicle (4) along the road section (3), and for supplying an information signal (SA) containing such information items; and a transmitting device (10) for transmitting the information signal (SA) over a communication network (5) to a remote processing unit (6) for forecasting road traffic along the road section (3).
<IMAGE>

IPC 1-7
G08G 1/04; G08G 1/052

IPC 8 full level
G08G 1/04 (2006.01)

CPC (source: EP)
G08G 1/04 (2013.01)

Citation (search report)

- [XY] EP 0318260 A2 19890531 - COMBUSTION DEV LTD [GB]
- [X] EP 0814446 A1 19971229 - SIEMENS PLC [GB]
- [X] EP 0866434 A1 19980923 - MANNESMANN AG [DE]
- [Y] WO 0054012 A1 20000914 - MELEXIS NV [BE], et al
- [A] EP 0408980 A2 19910123 - SIEMENS AG [DE]
- [DA] CAMPARI E G ET AL: "A cellular automata model for highway traffic", EUROPEAN PHYSICAL JOURNAL B, SEPT. 2000, EDP SCIENCES;SPRINGER-VERLAG, FRANCE, vol. 17, no. 1, pages 159 - 166, XP001134902, ISSN: 1434-6028

Cited by
USRE48914E; USRE49342E; USRE49950E; USRE47134E; US10488492B2; USRE48763E

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