

Title (en)

Measuring device for a road traffic parameter and signalling system comprising such a device.

Title (de)

Messvorrichtung für einen Strassenverkehrsparameter und Signalisierungssystem mit einer solchen Vorrichtung.

Title (fr)

Dispositif de mesure pour un indicateur de circulation et système de signalisation comportant un tel dispositif.

Publication

EP 0025388 A1 19810318 (FR)

Application

EP 80401243 A 19800829

Priority

FR 7922451 A 19790907

Abstract (en)

[origin: US4390951A] An apparatus designed to monitor traffic on a section of road of given length L for modifying the operation of a traffic light at an intersection approached by that road comprises speed-sensing circuits at opposite ends of the surveyed road section, the entrance-side circuit also emitting pulse trains reflecting the lengths L_i of passing vehicles. A calculator determines from the measured entrance and exit speeds a mean overall speed VM which is inversely proportional to the mean transit time L/VM and enables the computation of an occupancy density $DE(t) = \sum L_i/L$ from which in turn an encumbrance $P(t) = DE(t)/VM$ is derived. The traffic light can be controlled directly by a signal which is proportional to this encumbrance $P(t)$, or which represents a related function $F(t)$. An additional modification of the operating cycle of such traffic light can be brought about by a signal indicating the approach of a vehicle of unusual length on the surveyed road section.

Abstract (fr)

L'invention concerne les dispositifs permettant la mesure du trafic routier sur un tronçon de longueur déterminée. L'utilisation d'un paramètre de pénibilité égal au rapport de la densité d'occupation spatiale et de la vitesse moyenne des véhicules sur le tronçon considéré permet d'éviter les ambiguïtés dues à l'évaluation du trafic à l'aide de l'un seulement des deux paramètres. Elle s'applique à tous les systèmes de signalisation routière et plus particulièrement à ceux du type optique.

IPC 1-7

G08G 1/01; **G08G 1/08**

IPC 8 full level

G06F 17/40 (2006.01); **G08G 1/01** (2006.01); **G08G 1/08** (2006.01)

CPC (source: EP US)

G08G 1/01 (2013.01 - EP US); **G08G 1/08** (2013.01 - EP US)

Citation (search report)

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- US 3406395 A 19681015 - ZUPANICK JOSEPH E
- INTER ELECTRONIQUE, vol. 26, no. 18, 19 novembre 1971, Paris FR, GIRARD: "L'électronique donne la chasse aux bouchons", pages 44-48

Cited by

CN105702060A; EP0292897A3; FR2711000A1; CN106104652A

Designated contracting state (EPC)

BE DE GB NL

DOCDB simple family (publication)

EP 0025388 A1 19810318; **EP 0025388 B1 19840530**; DE 3068036 D1 19840705; FR 2465283 A1 19810320; US 4390951 A 19830628

DOCDB simple family (application)

EP 80401243 A 19800829; DE 3068036 T 19800829; FR 7922451 A 19790907; US 18392780 A 19800903