

Title (en)

Method and device for the determination of the traffic conditions of a roadsegment

Title (de)

Verfahren und Vorrichtung zur Ermittlung des Verkehrszustandes eines Verkehrsabschnittes

Title (fr)

Méthode et dispositif de détection des conditions du trafic d'un segment de route

Publication

**EP 1056063 B1 20070606 (DE)**

Application

**EP 00108359 A 20000417**

Priority

CH 93199 A 19990517

Abstract (en)

[origin: EP1056063A1] The method involves using a Kalman filter based on a model that can take into account the length of the traffic section and measured levels of traffic at the entry to and exit from the section. A transport-oriented model is selected in which a vector is formed containing a correction value and a traffic level value for each of at least two segments using the length of the traffic section and the sampled levels of traffic at the entry to and exit from the section. The vector is corrected using the Kalman filter to provide a precise estimate of the exit traffic level and of the traffic state. An Independent claim is also included for an arrangement for determining the traffic state of a section of traffic.

IPC 8 full level

**G08G 1/01** (2006.01)

CPC (source: EP)

**G08G 1/0104** (2013.01)

Cited by

DE102005043471A1; CN113160555A; EP1280118A1; DE102006032162A1; DE102004009898A1; AT502459B1; FR2822576A1; DE102004009898B4

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