

Title (en)

Method and device for calculating backlog lengths at traffic lights

Title (de)

Verfahren und Vorrichtung zur Ermittlung von Rückstaulängen an Lichtsignalanlagen

Title (fr)

Procédé et dispositif de détermination de longueurs de retenue à hauteur de signaux lumineux

Publication

**EP 2116981 B1 20121003 (DE)**

Application

**EP 09090002 A 20090220**

Priority

DE 102008022349 A 20080502

Abstract (en)

[origin: EP2116981A2] The method involves positioning a traffic model i.e. Nagel-Schreckenberg-model, for a road segment with a light signal system, where the traffic model provides minimum density profile in a connection of parameter. Position data is detected from a registered vehicle at the road segment. An evaluating process is carried out for determining the density profile that includes a maximum consistency with the determined position data. A tailback length at the light signal system is determined by a traffic model under the provision of parameter of the selected density profile. An independent claim is also included for a device for determining a tailback length at a light signal system, comprising a data processing device.

IPC 8 full level

**G08G 1/01** (2006.01); **G08G 1/08** (2006.01)

CPC (source: EP)

**G08G 1/0104** (2013.01); **G08G 1/08** (2013.01)

Cited by

DE102012204123A1; CN114863678A; CN106710245A; CN110766955A; CN115394086A; DE102012204123B4

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2116981 A2 20091111**; **EP 2116981 A3 20091209**; **EP 2116981 B1 20121003**; DE 102008022349 A1 20091112

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