

Title (en)

TAILBACK DETECTION ON THE BASIS OF MOVEMENT DATA

Title (de)

RÜCKSTAUERKENNUNG AUS BEWEGUNGSDATEN

Title (fr)

RECONNAISSANCE D'EMBOUEILLAGE À PARTIR DE DONNÉES DE MOUVEMENT

Publication

EP 3903292 B1 20240228 (DE)

Application

EP 19816582 A 20191202

Priority

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- EP 2019083279 W 20191202

Abstract (en)

[origin: WO2020135974A1] A method for determining the length of a tailback (R) of motor vehicles (10) at traffic light system (12) and a waiting time (T) which is caused by the tailback (R), comprising the steps of receiving (20) movement data (10') from motor vehicles (10) by means of a data reception unit (4), determining (22) stopping processes of motor vehicles (10) at a traffic light system (12) on the basis of the movement data (10') by means of a data-processing unit (2), determining (24) the spatial and chronological distribution of the stopping processes of the motor vehicles (10) by means of the data-processing unit (2), determining (26) the maximum length of the tailback (R) of motor vehicles (10) and its timing by means of the data-processing unit (2), and producing (28) a prediction relating to a buildup and/or reduction of the tailback (R) of the motor vehicles (10) and a waiting time (T) up to the point when the tailback (R) is passed through by means of the data-processing unit (2), wherein the creation (28) of a prediction does not require any connection to infrastructure.

IPC 8 full level

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