

Title (en)

ASSESSING ROAD TRAFFIC CONDITIONS USING DATA FROM MOBILE DATA SOURCES

Title (de)

BEURTEILUNG DER STRASSENVERKEHRSZUSTÄNDE MITHILFE VON DATEN AUS MOBILEN DATENQUELLEN

Title (fr)

ÉVALUATION DES CONDITIONS DE CIRCULATION ROUTIÈRE AU MOYEN DE DONNÉES PROVENANT DE SOURCES DE DONNÉES MOBILES

Publication

**EP 1938296 A2 20080702 (EN)**

Application

**EP 07752080 A 20070302**

Priority

- US 2007005355 W 20070302
- US 77894606 P 20060303
- US 78974106 P 20060405
- US 43198006 A 20060511
- US 43260306 A 20060511
- US 43882206 A 20060522
- US 44499806 A 20060531
- US 47386106 A 20060622
- US 83870006 P 20060818
- US 54034206 A 20060928

Abstract (en)

[origin: WO2007103180A2] Techniques are described for assessing road traffic conditions in various ways based on obtained traffic-related data, such as data samples from vehicles and other mobile data sources traveling on the roads, as well as in some situations data from one or more other sources (such as physical sensors near to or embedded in the roads). The assessment of road traffic conditions based on obtained data samples may include various filtering and/or conditioning of the data samples, and various inferences and probabilistic determinations of traffic-related characteristics of interest from the data samples. In some situations, the inferences include repeatedly determining traffic flow characteristics for road segments of interest during time periods of interest, such as to determine average traffic speed, traffic volume and/or occupancy, and include weighting various data samples in various ways (e.g., based on a latency of the data samples and/or a source of the data samples).

IPC 8 full level

**G08G 1/09** (2006.01)

CPC (source: EP)

**G08G 1/0104** (2013.01)

Citation (search report)

See references of WO 2007103180A2

Citation (third parties)

Third party :

WO 9854682 A1 19981203 - BOOTH DAVID S [US]

Cited by

CN105303833A; CN102169630A; CN102341833A; US9911327B2; US10198941B2; US10147315B2; US11004335B2; US9640071B2; US11145198B2; US11651682B2; WO2014114751A1; US9652983B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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**US 2007005355 W 20070302;** AT 07752080 T 20070302; AU 2007224206 A 20070302; CN 200780015916 A 20070302; CN 201110220737 A 20070302; CN 201110221478 A 20070302; CN 201110221617 A 20070302; CN 201110221620 A 20070302; CN 201110221624 A 20070302; EP 07752080 A 20070302; EP 10013472 A 20070302; ES 07752080 T 20070302; ES 10013472 T 20070302; JP 2008558317 A 20070302