

Title (en)
DETECTION OF TRAFFIC SITUATION WITH FUZZY CLASSIFICATION, MULTI-DIMENSIONAL MORPHOLOGICAL FILTRATION OF DATA AND DYNAMIC CONSTRUCTION OF DOMAINS

Title (de)
VERKEHRSPLATZBESTIMMUNG MIT FUZZY-KLASSIFIKATION UND MEHRDIMENSIONALER MORPHOLOGISCHER DATENFILTERUNG UND DYNAMISCHER DOMÄNENBILDUNG

Title (fr)
DETECTION DE LA SITUATION DE TRAFIC AVEC CLASSIFICATION FLOUE, FILTRAGE DE DONNEES MORPHOLOGIQUE PLURIDIMENSIONNEL ET CONSTITUTION DYNAMIQUE DE DOMAINES

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Abstract (en)
[origin: WO9942971A1] The present invention relates to a method for generating road information that indicates the traffic situation of a road network, wherein said method comprises processing traffic measurement values acquired at different moments. The method of the present invention comprises inputting and storing into archive windows the traffic measurement values acquired for each observed street according to the place (x) and time (t) of their acquisition and into categories of measurement values, wherein said windows are continuously actualised, cover a precise period of time from the current moment of road information generation towards the past, and discretise the time and place into intervals. This method is characterised in that the traffic measurement values acquired in the different archive windows observed are filtered using different filters as well as the time and place curve thereof, a characteristic being generated for each filter. The different characteristics are then grouped in order to obtain a characteristic vector related to each place in the road network and describing the traffic situation. The method further includes generating road information which can be transmitted and which is derived from the characteristic vectors describing the local traffic situation.

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