

Title (en)

Method for the automatic coordination of an independent intersection traffic light control device with one or more neighbouring intersections.

Title (de)

Verfahren für eine selbsttätige verkehrstechnische Koordinierung eines unabhängigen Knotenpunkt-Steuergeräts einer Strassenverkehrs-Lichtsignalanlage mit einem oder mehreren Nachbarknoten.

Title (fr)

Méthode pour la coordination automatique d'un dispositif indépendant de commande de feux de signalisation d'un carrefour avec un ou plusieurs carrefours voisins.

Publication

EP 0501193 B1 19950830 (DE)

Application

EP 92101903 A 19920205

Priority

DE 4106024 A 19910226

Abstract (en)

[origin: EP0501193A1] Method for the automatic coordination of an independent intersection traffic light control device with neighbouring intersections. The traffic flowing therefrom is recorded and analysed, where, for a predefinable measuring time period (MZ) with a number (I) of time intervals (ti), the number (Z) of vehicles per time interval is determined and stored. The measuring time period is divided up into test cycles (Zy) with equal-length cycle time (TZ). Within the test cycles, the number of vehicles is added up for each associated time interval. Such a mapping of the total measuring time period onto a test cycle enables mean value and variance formation for these numbers. Mappings and variance calculations of this type are carried out for further test cycles with respective different cycle times. Since the size of the variance provides a measure of the cyclic characteristic of the traffic flow, an existing vehicle cycle and its cycle time are determined from the calculated variances for the coordinated control of the traffic lights. <IMAGE>

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G08G 1/08; **G08G 1/081**

IPC 8 full level

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CPC (source: EP)

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