Title (en)
TRAFFIC SIGNAL SYSTEMS

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Application
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Abstract (en)
[origin: US4323970A] A method and a circuit arrangement for generating setting signals for signal generators of a traffic signal system, particularly of a street traffic signal system, upon employment of indications of time intervals between mutually hostile traffic flows contained in a time interval matrix are discussed. The time intervals are read from the time interval matrix for each entry signal group and subtracted from the greatest time interval value which greatest time interval value is reduced in value in cyclical succession. When this value is reduced to zero or, respectively, when a zero difference is determined in the course of the difference formations, then appropriate setting signals for the signal generators of the traffic signal system are emitted. In another embodiment provides that the time intervals of entry signal groups selected as being non-determinant for influencing a change of signal are first retained unchanged by a separate marking and are only made effective for reduction of their value in that case in which the non-marked entry time intervals of the entry signal groups hostile to the same clearing signal groups have elapsed. These techniques effect a controlled stoppage and initiation of traffic flow in accordance with specific intersection plans in a simple and precise manner.

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