

Title (en)

Monitoring apparatus and control apparatus for traffic signal lights

Title (de)

Überwachungseinrichtung und Steuereinrichtung für Signallampen

Title (fr)

Dispositif de surveillance et appareil de contrôle pour feux de signalisation

Publication

EP 1045359 A1 20001018 (EN)

Application

EP 00201697 A 19950420

Priority

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Abstract (en)

The invention relates to monitoring apparatus and control apparatus for fail-safe monitoring for normal operation of traffic signal lights provided at an intersection or the like where a plurality of roads intersect. The illumination conditions of respective signal lights are detected using a sensor device, and when the number of illuminated or non illuminated signal lights is a predetermined number, a normal judgment output of logic value 1 corresponding to a high energy condition is generated while when the number of illuminated or non illuminated signal lights is not the predetermined number, an abnormal judgment output of logic value 0 corresponding to a low energy condition is generated. As a result, in the case for example of a fault in the monitoring apparatus so that the output stops, the resultant output condition is the same as for a danger condition due to a signal light abnormality. Hence extremely safe signal light monitoring and control is possible with excellent fail-safe characteristics. <IMAGE>

IPC 1-7

G08G 1/097

IPC 8 full level

G08G 1/097 (2006.01)

CPC (source: EP)

G08G 1/097 (2013.01)

Citation (search report)

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- [A] EP 0214692 A2 19870318 - PHILIPS NV [NL]
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