

Title (en)  
MONITORING DEVICE FOR SIGNAL LIGHTS OF A ROAD TRAFFIC SIGNAL ARRANGEMENT

Publication  
**EP 0251097 B1 19910807 (DE)**

Application  
**EP 87108892 A 19870622**

Priority  
DE 3621305 A 19860625

Abstract (en)  
[origin: EP0251097A1] In this monitoring device for signal lamps (RT-LA, GE-LA, GN-LA) of a road traffic signal arrangement with a control device (STE) for switching (RT-LS, GE-LS, GN-LS) the signal lamps and with a signal security device (SSE), the lamp current (I) of the red signals (RT-LA) and the lamp voltages (U) of the green and yellow signals (GN-LA, GE-LA) are monitored for conflict-free signalling and the circuits are checked for absence of malfunction. For this purpose, at regular intervals the existing switched states of the signals are changed for a short period of time. The signal security device (SSE) evaluates these expected changes as check signals; failure of a check signal indicates a malfunction of the signal security device. The short period of time is kept here to such a length that there is no visible effect on the signals, e.g. one millisecond. With a control instruction (KB) of the control device (STE) switched-on signal lamps are momentarily switched off and switched off signal lamps are momentarily switched on. <IMAGE>

IPC 1-7  
**G08G 1/097**

IPC 8 full level  
**G08B 29/12** (2006.01); **G08G 1/097** (2006.01)

CPC (source: EP)  
**G08B 29/126** (2013.01); **G08G 1/097** (2013.01)

Cited by  
CN106652527A; EP0330164A3; DE3805949A1; BE1004100A3; DE3910864C1; US5220321A; CN111681442A; CN115311884A; WO9012381A1

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