

Title (en)

Apparatus for monitoring and controlling a traffic control light

Title (de)

Gerät zur Überwachung und zur Steuerung einer Strassenverkehrslichtsignalanlage

Title (fr)

Appareil de contrôle et de commande d'une installation de feux routiers

Publication

EP 1215641 B1 20060308 (EN)

Application

EP 01204845 A 20011213

Priority

FI 20002733 A 20001213

Abstract (en)

[origin: EP1215641A2] An apparatus for monitoring and/or controlling a traffic control light, the light source of said control light consisting of LEDs (2) connected on a circuit board (1), said control light being controlled by means of a control unit, and said control light comprising a lens dome part (3) which is fitted in front of the LEDs and contains transparent light directing elements (4), and said apparatus comprising detectors (5) disposed in connection with the LEDs used as light sources on the same side of the circuit board (1) with these, some of the light reflected from the LEDs being directed to said detectors, which are used to provide optical feedback for the monitoring and/or control of the operation of the control light. The apparatus comprises non-transparent reflectors (6) arranged between the light directing elements to reflect some of the light emitted by the LEDs (2) in the direction of illumination to the detectors (5). <IMAGE>

IPC 8 full level

G08G 1/095 (2006.01)

CPC (source: EP)

B61L 5/1881 (2013.01); **G08G 1/095** (2013.01); **G08G 1/097** (2013.01); **H05B 45/58** (2020.01); **B61L 2207/02** (2013.01)

Cited by

WO2011045663A1; DE102005016363A1; EP1671061A4; NO338004B1; CN107690218A; EP3599595A1; GB2446410A; GB2446410B; ITUD20090184A1; US7391162B2; WO2006067267A1; WO2011086027A1

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