

Title (en)

DEVICE FOR CONTROLLING THE FLOW OF TRAFFIC AT A CROSSROADS, ESPECIALLY FOR CONTROLLING TRAFFIC LIGHTS

Title (de)

VORRICHTUNG ZUR STEUERUNG DES VERKEHRSFLUSSES AN EINER KREUZUNG, INSBESONDERE ZUR AMPELSTEUERUNG

Title (fr)

DISPOSITIF POUR REGULER LE FLUX DE CIRCULATION A UN CARREFOUR, NOTAMMENT POUR REGULER LES FEUX

Publication

EP 1224644 B1 20040102 (DE)

Application

EP 00975911 A 20001025

Priority

- DE 19953008 A 19991027
- EP 0010506 W 20001025

Abstract (en)

[origin: WO0131608A1] The invention relates to a device for controlling at least one set of traffic lights at a crossroads, comprising a sensor device which detects vehicles in the waiting area in front of the traffic lights and optionally, in the crossroads area and measures their location and speed. The sensor device has a transmitter, which emits rotating laser pulses and which produces at least one beam fan that scans a traffic lane in the waiting area in a central region, from above and parallel to the direction of travel; and a receiver (35), with which the points of incidence of the laser pulses can be detected. The sensor device (19) has an evaluation device which determines the profile of the points of incidence of the beam fan (20, 21) based on the data determined by the receiver (35), allocates objects to individual groups of points of incidence and optionally, follows the movement of the objects detected.

IPC 1-7

G08G 1/08; G08G 1/04

IPC 8 full level

G08G 1/04 (2006.01); **G08G 1/08** (2006.01)

CPC (source: EP)

G08G 1/08 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0131608 A1 20010503; AT E257264 T1 20040115; DE 19953008 A1 20010503; DE 50004944 D1 20040205; EP 1224644 A1 20020724; EP 1224644 B1 20040102

DOCDB simple family (application)

EP 0010506 W 20001025; AT 00975911 T 20001025; DE 19953008 A 19991027; DE 50004944 T 20001025; EP 00975911 A 20001025