

Title (en)  
METHOD USING MEASURING TECHNIQUES FOR DETERMINING ROAD TRAFFIC INTENSITY

Publication  
**EP 0293724 B1 19920506 (DE)**

Application  
**EP 88108270 A 19880524**

Priority  
DE 3717982 A 19870527

Abstract (en)  
[origin: EP0293724A1] During a respective signal pass (U) with the numbers 1, 2,..., the number (an,i) of the vehicles per time interval (i) is determined for a multiplicity of time intervals (i). From these original measured values compensated values (an,i) (intensity distribution) are determined per time interval in accordance with the following relation:  $a_{n,i} = a_{n-1,i} + \alpha (a_{n,i} - a_{n-1,i})$  where  $\alpha$  = a predeterminable compensation factor ( $0 \leq \alpha \leq 1$ ) which can be selected as a function of the traffic load, i.e. in a tendency- dependent manner. The chronological assignment (displacement of the intensity distribution) of the traffic-determining point (measuring point MS) to the traffic signal (stop line HL) is determined with the following modular function:  $F = (1 \text{ DIVIDED } V \cdot \text{Max}(0, DA - SR.6) - (SR/AN)) \bmod U$ . Two compensation factors can also be provided, in which case with a rising tendency of the original measured values a first compensation factor ( $\alpha_1$ ) with a higher value (e.g.  $\alpha_1 = 0.25$ ) and with a falling tendency a second compensation factor ( $\alpha_2$ ) with a smaller value (e.g.  $\alpha_2 = 0.125$ ) than that of the first compensation factor ( $\alpha_1$ ) are used for calculation. <IMAGE>

IPC 1-7  
**G08G 1/01**; **G08G 1/07**; **G08G 1/08**

IPC 8 full level  
**G08G 1/01** (2006.01); **G08G 1/07** (2006.01); **G08G 1/08** (2006.01); **G08G 1/082** (2006.01)

CPC (source: EP)  
**G08G 1/0104** (2013.01); **G08G 1/08** (2013.01); **G08G 1/082** (2013.01)

Cited by  
CN112533140A; EP2161698A1; EP0681277A3; GB2373619A; EP0475874A3; DE4106024C1; EP0501193A1; US7894979B2; WO2006128819A1; WO9824080A1

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