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: an,i = an-1,i + alpha (an,i - an-1,i) where alpha = a predeterminable compensation factor (0 &Lang& alpha </= 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 DIVIDED V. Max (0,DA - SR.6) - (SR/AN)) mod 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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