

Title (en)  
METHOD AND APPARATUS FOR TRAFFIC MONITORING

Publication  
**EP 0403193 A3 19911211 (EN)**

Application  
**EP 90306317 A 19900611**

Priority  
GB 8913946 A 19890616

Abstract (en)  
[origin: EP0403193A2] A method of traffic monitoring is described which comprises forming at least first and second scene images of a scene in which traffic may be present, the images being formed at instants of time separated by a time interval. At least one of the first and second scene images is processed to form an edge image representing the occurrence of edges in the scene, and a determination is made on the basis of the edge image of the presence or absence, and spatial location, of traffic in the scene. A difference image is formed in which each pixel represents the difference between the intensity of the pixels of the first and second scene images at the corresponding point in the image, and a determination is made from the distribution of pixels of different intensities in the difference image of the presence or absence of movement in the scene.

IPC 1-7  
**G08G 1/04**

IPC 8 full level  
**G08G 1/04** (2006.01)

CPC (source: EP)  
**G08G 1/04** (2013.01)

Citation (search report)

- [Y] EP 0277050 A1 19880803 - ARMINES [FR], et al
- [A] WO 8806326 A1 19880825 - UNIV MINNESOTA [US]
- [YD] 2ND INTERNATIONAL CONFERENCE ON ROAD TRAFFIC MONITORING, INSTITUTION OF ELECTRICAL ENGINEERS CONFERENCE February 9, 1989, pages 94 - 98; HOOSE: 'Queue detection using computer image processing '
- [A] SYSTEMS & COMPUTERS IN JAPAN. vol. 17, no. 1, February 1986, NEW YORK US pages 62 - 72; YASUO KUDO: 'Traffic flow measurement system using image processing '
- [A] IEEE TRANSACTIONS ON VEHICULAR COMMUNICATIONS. vol. 38, no. 3, 1989, NEW YORK US pages 112 - 122; LIIGO: 'Application of machine vision to traffic monitoring and control '

Cited by  
US5296852A; FR2679682A1; US5621645A; ES2169657A1; US5999635A; US6075874A; EP1262933A4; EP0505858A1; US5313295A; US5396283A; US5598338A; US5691902A; US6188778B1; WO9607937A1; WO0133503A1; WO9623290A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI NL

DOCDB simple family (publication)  
**EP 0403193 A2 19901219; EP 0403193 A3 19911211; GB 8913946 D0 19890802**

DOCDB simple family (application)  
**EP 90306317 A 19900611; GB 8913946 A 19890616**