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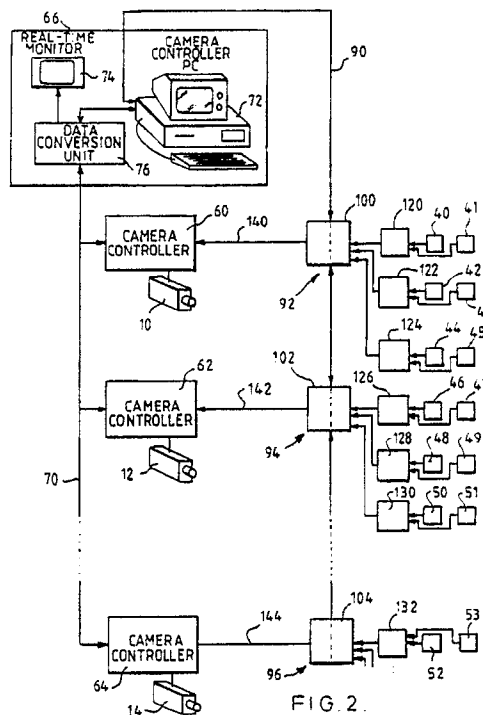
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(54) **Monitoring apparatus.**

(57) Monitoring apparatus for monitoring traffic flow in a tunnel is disclosed comprising a plurality of cameras 10, 12, 14 each connected to a camera controller 60, 62, 64. Each camera controller includes an image memory for periodically storing still images from the camera associated therewith. A plurality of incident detectors 40 - 45; 46 - 51 are associated with each camera 10, 12, and lie within the field of view of that camera. The incident detectors detect the passage of vehicles in a carriageway of the tunnel and determine whether or not a traffic incident eg congestion or an accident has occurred in accordance with an algorithm. When an incident has occurred an incident detection signal is generated which is communicated to the camera controllers via a central controller 66. The image memory of the relevant camera controller is responsive to the detection signal to identify and freeze a plurality of images prior to the incident which are then passed to the central controller, so that the circumstances leading up to the incident can be reviewed.



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EUROPEAN SEARCH REPORT

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EP 90 30 4912

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	FR-A-2 082 432 (E.V.R.) * The whole document * -- --	1,7,9-10	G 08 G 1/04
A	DE-A-3 015 737 (EUMIG) * Claims 1-10 * -- --	1-5	
A	EP-A-0 236 170 (SEGIN) * Abstract * -- --	1,5-6,8	
A	GB-A-2 064 189 (ASCOTTS) * Abstract * -- --	1,5-6,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 08 G G 08 B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 23 January 91	Examiner SGURA S.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</div>			