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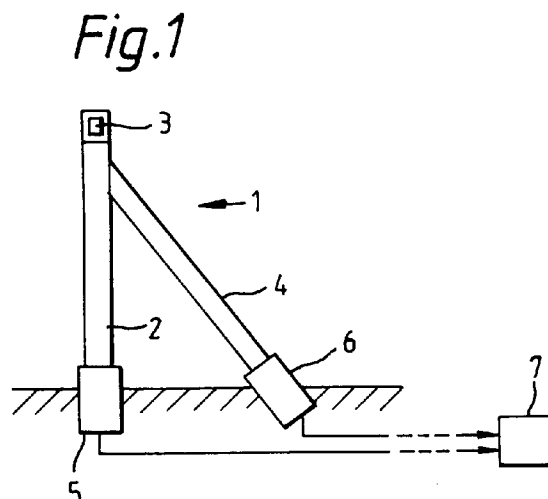
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(54) **Barrier structures.**

(57) A crowd control barrier comprising a wall (14), crush barrier (12,13), handrail, fence, etc. has one or more strain gauges (5,6,11) or other sensors (15,16,17) built in, to sense the force applied to the barrier due to crowd pressure. The outputs of the sensors are fed to a central monitoring station (7) where any increase in monitored force can provide a warning of potential danger. Manual or automatic opening or closing of gates can be effected, as a result of the warning, to ease the crowd pressure.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 0132

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,E	GB-A-2 239 272 (SOLTREPAC) * abstract * * page 1, line 1 - page 2, line 18 * * page 8, line 4 - line 23; figure 11 *	1	G08B21/00 A63C19/00
A	---	2-14	
Y	EP-A-0 217 721 (G. CLOEZ) * column 1, line 1 - line 61 *	1-3	
Y	US-A-4 367 459 (Y. AMIR) * abstract *	1-3	
A	GB-A-2 162 981 (SHORROCK SECURITY SYSTEMS) * abstract *	1-3	

			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G08B A63C E06B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 JUNE 1992	Examiner SGURA S.
CATEGORY OF CITED DOCUMENTS 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 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			

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