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### (54) Road safety barrier

(57) A road safety barrier (1) comprises a series of beam sections (2a to 2d) together forming a length of barrier and supported above the ground by way of posts (3a to 3g). The positions of successive posts along at least part of the length of the barrier shift relative to the centres of the beam sections (C). The shift may be progressive but uniform along a section thereof so that the

flexibility of the barrier is substantially constant. Shifting the locations of the posts along the length of the barrier by an increasing or decreasing amount has the effect of increasing or decreasing the strength of the barrier so that different road conditions can be accommodated even though beam sections of constant length are used to construct the barrier.

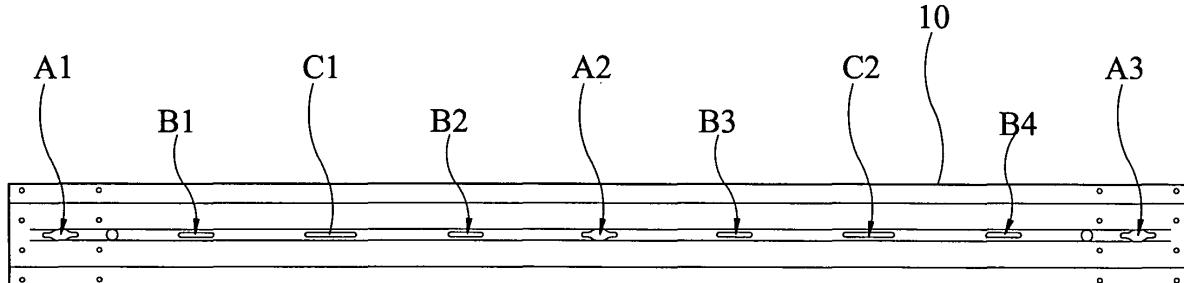


FIG 2<sup>a</sup>



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,X	EP 1 627 956 A (SPIG SCHUTZPLANKEN PROD GMBH [DE]) 22 February 2006 (2006-02-22) * page 3, column 3, lines 1-5 * * page 4, column 5, paragraph 22 * * figure 1 * ----- A US 2002/021937 A1 (OCHOA CARLOS M [US]) 21 February 2002 (2002-02-21) * figure 1a * -----	1,14 1	INV. E01F15/04
			TECHNICAL FIELDS SEARCHED (IPC)
			E01F
The present search report has been drawn up for all claims			
3	Place of search	Date of completion of the search	Examiner
EPO FORM 1503.03.82 (P04C01)	The Hague	30 October 2006	Tran, Kim-Lien
CATEGORY OF CITED DOCUMENTS		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	
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			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-10-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1627956	A	22-02-2006	DE 102004039792 A1	09-03-2006
US 2002021937	A1	21-02-2002	NONE	