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(54) **Protective cushion for risky pinned-down elements**

(57) PROTECTIVE CUSHION FOR RISKY PINNED-DOWN ELEMENTS of the type applied to elements such as pillars, columns, walls and the like to avoid any accidents caused by collisions of individuals against them. The cushions are made with successive plastic-foamed layers in a variable number between which a regular distribution of hollow or not cylindrical pipes also of damping material are housed. The damping material layers are found housed inside a plasticized

canvas sheath provided with an opening to have access inside. The cushion sheath having two or more side lapels whereto a series of holes or eyelets are found. These holes or eyelets are apt for the fitting of said cushions on the risky elements by means of cords or other fastening means such as Velcro or the like. The cushions are positioned simply or assembled by covering all the surface of the risk-susceptible element, both in a flat as in a cylindrical arrangement.

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EUROPEAN SEARCH REPORT

Application Number
EP 99 50 0032

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.6)
A	FR 2 617 409 A (SCORE) 6 January 1989 (1989-01-06) * page 1, line 1 - line 27 * * page 2, line 5 - line 6; figures 1-12 *	1	A63B71/00
A	US 4 596 106 A (KUNCZYNSKI JAN K) 24 June 1986 (1986-06-24) * column 2, line 34 - column 4, line 15; figures 1-3 *	1	
A	US 4 837 060 A (BAMBARA JOHN D ET AL) 6 June 1989 (1989-06-06) * column 1, line 55 - column 2, line 15 * * column 2, line 57 - column 3, line 14; figure 5 *	1	
A	DE 20 49 660 A (CONTINENTAL GUMMI-WERKE AG) 13 April 1972 (1972-04-13) * page 5, line 1 - line 23; claims 1-8; figures 1,2 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A63B E01F B32B
Place of search	Date of completion of the search	Examiner	
THE HAGUE	16 March 2000	Levert, C	
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2617409	A	06-01-1989	NONE	
US 4596106	A	24-06-1986	NONE	
US 4837060	A	06-06-1989	NONE	
DE 2049660	A	13-04-1972	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82