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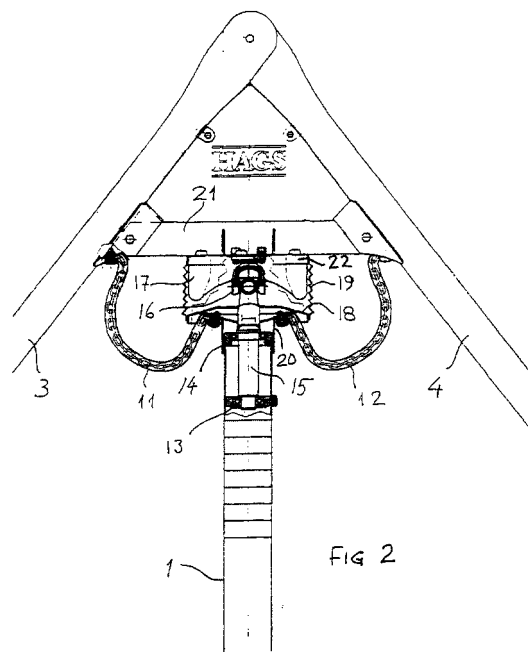
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(54) **Device for swinging and rotating playing equipment**

(57) The present invention is for a device by swinging and rotating playing equipment. Playing equipment of this kind usually have a pole where a swinging member is mounted at the top of the pole. By mounting with a combination of rotating shaft and universal joint a simultaneous swinging, swaying and rotating movement with great possibilities of variations is made possible. The object of the present invention is to provide means to limit the movements of the movable member. This is achieved by a movement limiting means (17, 18) positioned adjacent to the mounting means, preferably the movement limiting means (17, 18) follows along with the rotating movements of the equipment. The means comprise dampening element (17) made from rubber or rubber-like material and a contacting element (18) which is a rigid plate.



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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 85 0143

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.7)
X	GB 661 767 A (CLEMENT HIRST; HIRST & SONS LTD B) 28 November 1951 (1951-11-28) * page 1, line 12 - line 20 * * page 2, line 27 - line 58; figure 1 * ---	1, 3, 4	A63G1/32 A63G1/28
X	DE 39 15 786 A (HEINEMANN PETER) 15 November 1990 (1990-11-15) * column 2, line 47 - column 3, line 39; figure 2 * ---	1, 3, 4	
X	DE 88 08 682 U (NEOSPIEL GESELLSCHAFT FÜR FREIZEITGERÄTE) 17 November 1988 (1988-11-17) * claims 1, 3, 12-14; figures * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A63G
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>16 April 2002</b>	Examiner <b>Baert, F</b>
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			

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**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  
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16-04-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 661767	A	28-11-1951	NONE	
DE 3915786	A	15-11-1990	DE 3915786 A1	15-11-1990
DE 8808682	U	17-11-1988	DE 8808682 U1	17-11-1988