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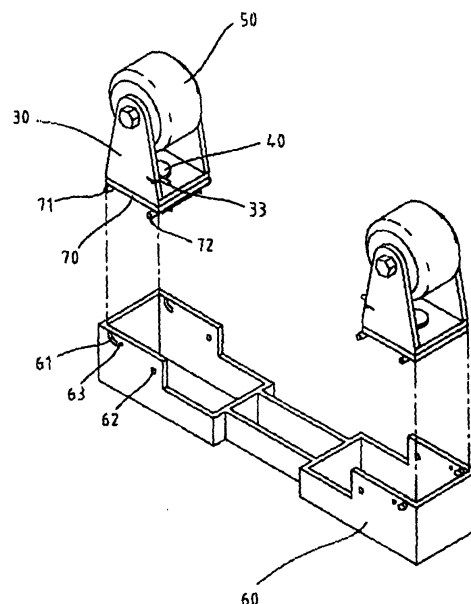
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(54) **Arrangement for supporting a wheel of a roller skate**

(57) A structure for supporting a wheel of a roller skate which enables a wheel coupled to an outsole of a roller skate to be supported and retracted simply and reliably is disclosed. The structure includes a frame attached to an outsole of the roller skate, which has at its bottom wall recesses and protrusions; a swing plate pivotally coupled to the frame, which has a central hole; and a bracket for rotatably supporting a wheel, which has a through hole and a top portion to be releasably fitted in the pair of fitting recesses of the frame, and which is rotatably coupled to the swing plate by a bolt threaded in the hole of the swing plate through the through hole of the bracket. The bracket has a pair of arms extending downward which rotatably support the wheel therebetween, and a protrusion formed at the top portion thereof which is releasably fitted in the fitting recesses of the frame. The through hole of the bracket is formed with a concentric counterbored portion receiving a coil spring therein.

FIG. 1





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EUROPEAN SEARCH REPORT

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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)
A	US 6 120 039 A (CLEMENTI FRED) 19 September 2000 (2000-09-19) * figures 2,2A *	1,2	A63C17/20
A	US 6 065 762 A (BRELVI NAZIR A) 23 May 2000 (2000-05-23) * figures 3,4 *	1,2	
A	US 584 089 A (BUTTERMILCH, JULIUS) 8 June 1897 (1897-06-08) * figure 3 *	1,2	
A	US 2 719 724 A (ROBERT LUNDGREN) 4 October 1955 (1955-10-04) * figure 3 *	1,2	
A	EP 0 375 891 A (NEW TECHNOLOGIES SRL) 4 July 1990 (1990-07-04) * figure 2 *	1,2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A63C
Place of search		Date of completion of the search	Examiner
MUNICH		25 March 2003	Murer, M
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 7572

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The members are as contained in the European Patent Office EDP file on
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25-03-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6120039	A	19-09-2000	AU 6024899 A	13-03-2001
			EP 1121182 A1	08-08-2001
			WO 0112277 A1	22-02-2001
			US 2001050467 A1	13-12-2001

US 6065762	A	23-05-2000	NONE	

US 584089	A		NONE	

US 2719724	A	04-10-1955	NONE	

EP 0375891	A	04-07-1990	IT 1226672 B	31-01-1991
			AT 81821 T	15-11-1992
			CN 1043910 A ,B	18-07-1990
			DE 68903330 D1	03-12-1992
			DE 68903330 T2	01-04-1993
			DK 667189 A	29-06-1990
			EP 0375891 A1	04-07-1990
			ES 2036783 T3	01-06-1993
			GR 3006745 T3	30-06-1993
			JP 1924874 C	25-04-1995
			JP 2189269 A	25-07-1990
			JP 6051472 B	06-07-1994
			PT 92744 A	29-06-1990
			SU 1828439 A3	15-07-1993
			US 5140720 A	25-08-1992
