



(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
31.05.2000 Bulletin 2000/22

(51) Int Cl.⁷: **A63B 21/062**, F16B 7/02

(43) Date of publication A2:
22.12.1999 Bulletin 1999/51

(21) Application number: **99830362.2**

(22) Date of filing: **11.06.1999**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:

- **Alessandrini, Nerio**
47020 Longiano (Forlì) (IT)
- **Camelli, Marco**
48018 Faenza (Ravenna) (IT)

(30) Priority: **16.06.1998 IT BO980375**

(74) Representative: **Lanzoni, Luciano**
c/o BUGNION S.p.A.
Via Goito, 18
40126 Bologna (IT)

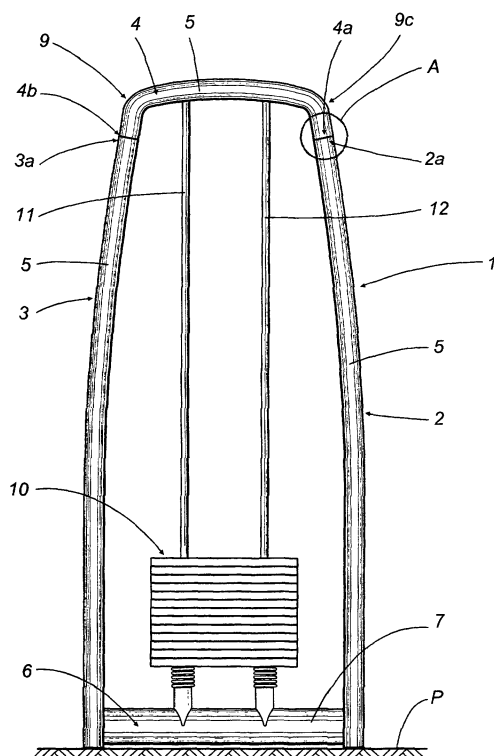
(71) Applicant: **TECHNOGYM S.r.l.**
47035 Gambettola (Forlì) (IT)

(54) **Frame for exercise machines**

(57) A frame for exercise machines provides for the elements that comprise the frame (1), i.e. a pair of up-rights (2, 3) and an upper cross member (4), mutually

associated to define a portal, to be realized with a respective tubular bar (5) with substantially oval/elliptical cross section.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 83 0362

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)		
Y	WO 92 07629 A (CALVERT PHILIP) 14 May 1992 (1992-05-14) * page 7, line 3 - line 10; figures *	1,3-5, 22,23	A63B21/062		
Y	DE 39 31 478 C (DEUTSCHE FORSCHUNGSANSTALT FÜR LUFT- UND RAUMFAHRT E.V.) 4 April 1991 (1991-04-04) * column 4, line 3 - line 7; claim 1; figures *	1,3-5, 22,23			
A	US 5 727 764 A (ANGELES JAMES P) 17 March 1998 (1998-03-17) * column 2, line 16 - line 38; figures *	1,14,19, 22			
A	US 5 622 527 A (WATTERSON SCOTT R ET AL) 22 April 1997 (1997-04-22) * column 3, line 51 - line 63; figures *	1,19,22			
A	US 5 716 304 A (WANG LEAO ET AL) 10 February 1998 (1998-02-10) * the whole document *	1,3,22, 23			
A	US 3 647 274 A (SCHNELLE KLAUS) 7 March 1972 (1972-03-07)		<table border="1"> <thead> <tr> <th>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</th> </tr> </thead> <tbody> <tr> <td>A63B F16B A47B</td> </tr> </tbody> </table>	TECHNICAL FIELDS SEARCHED (Int.Cl.6)	A63B F16B A47B
TECHNICAL FIELDS SEARCHED (Int.Cl.6)					
A63B F16B A47B					
The present search report has been drawn up for all claims					
Place of search THE HAGUE		Date of completion of the search 13 April 2000	Examiner Neumann, E		
<table border="0"> <tr> <td style="vertical-align: top;"> 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 </td> <td style="vertical-align: top;"> 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 </td> </tr> </table>				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
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				

EPO FORM 1503 03.82 (P04C01)

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

EP 99 83 0362

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.

13-04-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9207629 A	14-05-1992	AU 8666791 A GB 2265093 A, B	26-05-1992 22-09-1993
DE 3931478 C	04-04-1991	NONE	
US 5727764 A	17-03-1998	CA 2194624 A	23-09-1997
US 5622527 A	22-04-1997	US 5135216 A US 5062627 A US 4925473 A US 4796881 A US 5722922 A US 4813667 A US 5108093 A	04-08-1992 05-11-1991 15-05-1990 10-01-1989 03-03-1998 21-03-1989 28-04-1992
US 5716304 A	10-02-1998	NONE	
US 3647274 A	07-03-1972	BE 740124 A CH 498602 A DE 1927580 A FR 2043802 A GB 1280728 A NL 6915445 A	16-03-1970 15-11-1970 19-11-1970 19-02-1971 05-07-1972 02-12-1970

EPO FORM P0459

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