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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,

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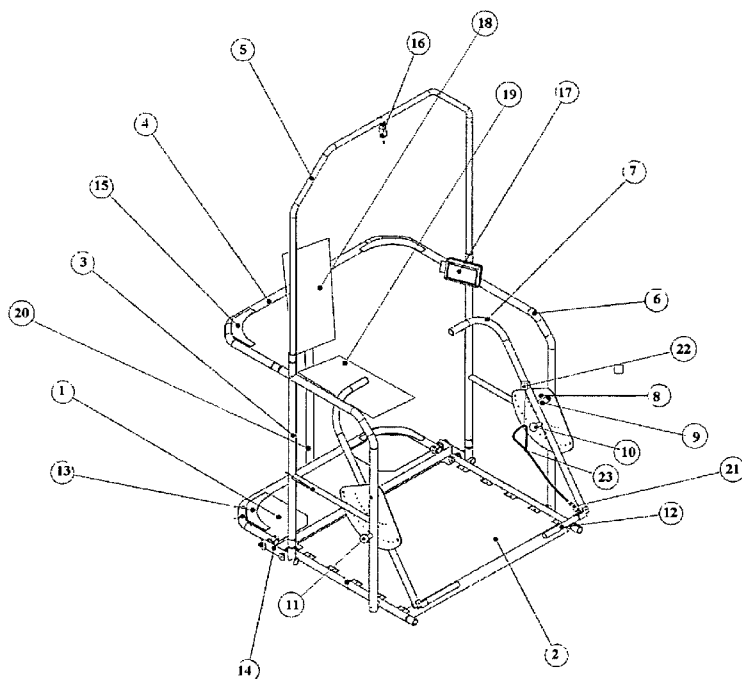
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Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: WHEELCHAIR-ACCESSIBLE FITNESS SYSTEM



(57) Abstract: Wheelchair-accessible fitness systems are described to provide total body strength, range of motion, and cardiovascular training to users in retirement and rehabilitation settings. Resistance is provided through a collection of resistance bands that are designed for low-stress and high-efficacy use. Additional system functionality can be incorporated to provide physical-therapist options for controlled rehabilitation exercises. Sensors can be connected to the resistance bands to provide important user-generated data, which can be collected and managed. The systems can accommodate any type of chair, rehabilitation ball, or wheelchair assembly. The systems are optionally collapsible and portable.

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- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/085544**A. CLASSIFICATION OF SUBJECT MATTER****A63B 21/00(2006.01)I, A61G 5/10(2006.01)I, A63B 23/02(2006.01)I, A63B 21/04(2006.01)I, A63B 24/00(2006.01)I, A63B 71/06(2006.01)I, G06Q 50/10(2012.01)I**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A63B 21/00; A63B 21/02; A63B 21/04; A63B 21062; A63B 71/00; A63B 3/00; A61G 5/10; A63B 23/02; A63B 24/00; A63B 71/06; G06Q 50/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: wheelchair, exercise bar, rehabilitation, resistance band, sensor, web-interface

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004-0110610 A1 (CHEN et al.) 10 June 2004 See claims 1-2; paragraph [0036]; and figures 1-2, 5-6.	1-2,5,7-9,11
Y		3-4,6,10
A		12-20
Y	US 5536228 A (TANNER, JR.) 16 July 1996 See claim 1; column 2; and figures 1-9	3-4,6,10
Y	US 6443877 B1 (HOECHT et al.) 03 September 2002 See the whole document.	1-11
Y	US 2002-0123415 A1 (MARQUES) 05 September 2002 See the whole document.	1-11
A	US 2004-0097333 A1 (NAPPARI) 20 May 2004 See the whole document.	1-20
A	US 5123886 A (COOK) 23 June 1992 See the whole document.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-0110610 A1	10/06/2004	TW 248434 U	01/11/2004
US 5536228 A	16/07/1996	None	
US 6443877 B1	03/09/2002	None	
US 2002-0123415 A1	05/09/2002	US 6626801 B2	30/09/2003
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US 5123886 A	23/06/1992	None	