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INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2013/050428

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A63B 21/072** (2006.01) , *G01F 23/02* (2006.01)

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)

IPC: **A63B 21/072** (2006.01) , *G01F 23/02* (2006.01)

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

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

Epodoc;

Search terms used: A63B; G01F; weight; plate; hollow; kettleball; graduations; fillable; indicia

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,199,140 A; (FERRETTI); 22 April 1980 (22-04-1980) Figures 1 to 6; Column 2, line 59 to column 4, line30; Column 5, lines 29 to 48	Claims 1, 2, 4 to 8, 11 to 15, and 17 to 21
Y	US 4,712,794 A; (HALL); 15 December 1987 (15-12-1987) Figure 1; Column 2, lines 49 to 54	Claims 9, 10, 22 and 23
Y	US 5,620,112 A; (BROWN); (15 April 1997 (15-04-1997) Figure 1; Column 4, lines 4 to 15	Claims 9, 10, 22 and 23
Y	US 5,857,946 A; (BROWN); 12 January 1999 (12-01-1999) Figures 1 and 2; Column 4, line 60 to column 5, line 19	Claims 9, 10, 22 and 23
Y	US 2,676,802 A; (O'BRIEN); 27 April 1954 (27-04-1954) Figures 1 and 2	Claims 3 and 16
Y	US 4,369,968 A; (PRICE); 25 January 1983 (25-01-1983) Figures 1 and 2	Claims 3 and 16

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search

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