

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 September 2006 (14.09.2006)

PCT

(10) International Publication Number
WO 2006/095272 A3

(51) International Patent Classification:
A61F 5/01 (2006.01) A61F 5/02 (2006.01)

CHEUNG, Hoi, Kwan (James) [CA/CA]; 619-200 Manitoba Street, Etobicoke, Ontario M8Y 4G7 (CA).

(21) International Application Number:
PCT/IB2006/001257

(74) Agent: DOWELL, Ralph, A.; DOWELL & DOWELL, P.C., 2111 Eisenhower Avenue, Suite 406, Alexandria, VA 22314 (US).

(22) International Filing Date: 6 March 2006 (06.03.2006)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/658,843 4 March 2005 (04.03.2005) US

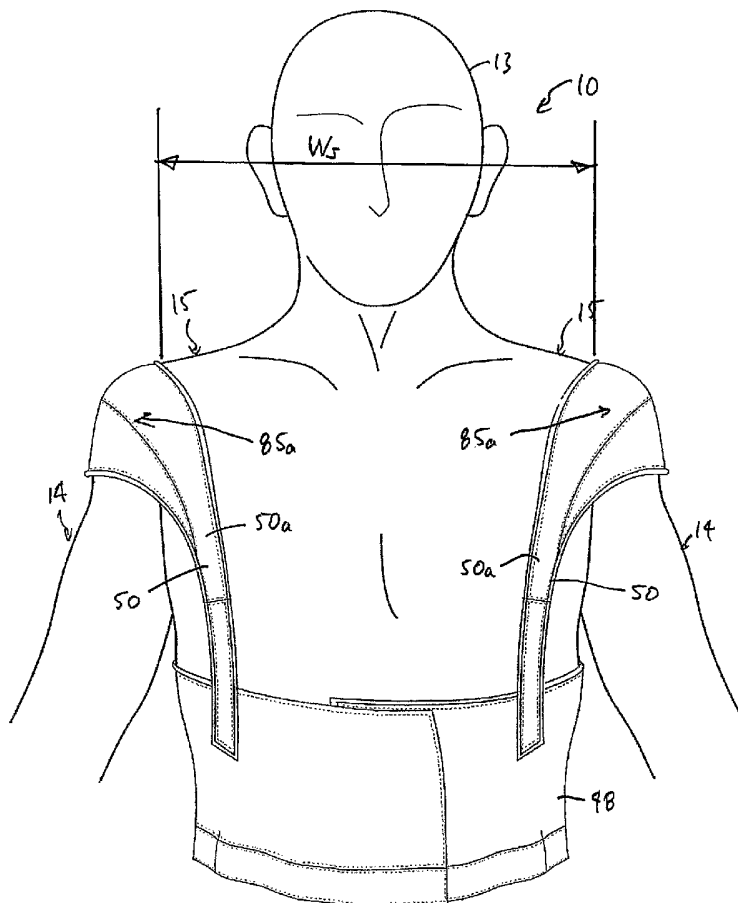
(71) Applicant (for all designated States except US): INTEGRAL ORTHOPEDICS INC. [CA/CA]; 125 Tycos Drive, Toronto, Ontario, M6B 1W6 (CA).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(72) Inventors; and
(75) Inventors/Applicants (for US only): NEWKIRK, Tracy, A. [US/US]; 1099 D. Street, San Rafael, CA 94901 (US).

[Continued on next page]

(54) Title: POSTURE SUPPORT DEVICE



(57) Abstract: A support device for a wearer is provided, including an anchor member, a first strap and a second strap. The anchor member is fittable around the torso of the wearer. Each strap has a first end and a second end and connects to the anchor member at the first and second ends. Each strap has a shoulder-engaging portion that is shaped to engage a shoulder joint of the wearer. The straps are each adapted to carry a tensile force and thereby exert a rearward force on the shoulder joint through the shoulder-engaging portion. The straps are configured to engage the shoulders of the wearer no further medially than the acromioclavicular joints. Each strap extends along a path that, in use, does not cross over the anterior axillary folds of the wearer.

WO 2006/095272 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
7 December 2006

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2006/001257

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A61F 5/01** (2006.01) , **A61F 5/02** (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 (2006.01): A61F 5/*

USPC: 128/*, 002/*

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)
 Qpat (FAMPAT), Delphion (all databases), CPD ; keywords (posture, back, spine, acromioclavicular)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 201,597 A (CUSHMAN, C. H.) 26 March 1878 (26-03-1878) *figures, pages 1 and 2*	1 to 7, 10 to 14
Y	DE 195 23 672 A1 (SCHMEISKY, J.) 16 November 1995 (16-11-1995) *figures, abstract*	1 to 7, 10 to 14
A	US 4,188,944 A (AUGUSTYNIAK, M. Z.) 19 February 1980 (19-02-1980) *abstract, figures*	1 to 14
A	US 4,947,870 A (LARCHER, A. C.) 14 August 1990 (14-08-1990) *abstract, figures*	1 to 14
A	US 4,751,923 A (MARINO, M. P.) 21 June 1988 (21-06-1988) *abstract, figures*	1 to 14
A	CN 1174022 A (XUELING, H.) 25 February 1998 (25-02-1998) *abstract*	1 to 14

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

15 September 2006 (15-09-2006)

Date of mailing of the international search report

2 October 2006 (02-10-2006)

Name and mailing address of the ISA/CA
 Canadian Intellectual Property Office
 Place du Portage I, C114 - 1st Floor, Box PCT
 50 Victoria Street
 Gatineau, Quebec K1A 0C9
 Facsimile No.: 001(819)953-2476

Authorized officer
John Hurkmans (819) 956-9975

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/IB2006/001257

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US 201,597 A	26-03-1878	NONE	
DE19523672 A1	16-11-1995	NONE	
US 4,188,944 A	19-02-1980	NONE	
US 4,947,870 A	14-08-1990	NONE	
US 4,751,923 A	21-06-1988	NONE	
CN1174022 A	25-02-1998	NONE	