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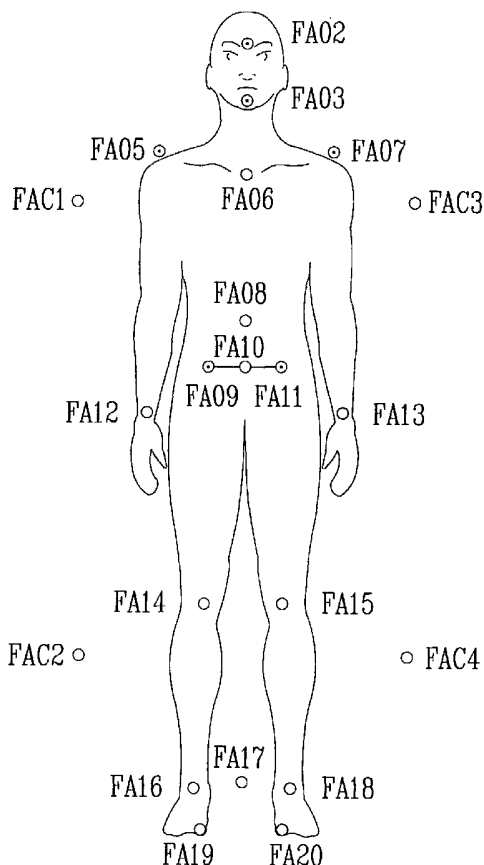
Sorel, Québec J3P 3K5 (CA). **MCFARLAND, David, H.** [CA/CA]; 235, Markham Street, Town of Mount Royal, Québec H3P 2V9 (CA). **LOMBARDI, Alfonso** [CA/CA]; 81, Lorne Street, St Lambert, Québec J4P 2G7 (CA). **NORMAND, Martin, C.** [CA/CA]; 115, place René Lévesque, Cap de la Madeleine, Québec G8W 1R7 (CA).

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[Continued on next page]

(54) Title: DETECTION AND CORRECTION OF POSTURAL DEVIATIONS



(57) Abstract: The present invention relates to a method and apparatus of acquiring biomechanical position data for use in postural analysis. The present invention also relates to a method and apparatus for calculating postural deviation values in a patient. The present invention further relates to a method and apparatus of providing posture health care using a distributed system.



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24 October 2002

*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.*

**Published:**

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INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA 01/01649

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61B5/103

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 7 A61B

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

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 664 130 A (GRACOVETSKY SERGE) 12 May 1987 (1987-05-12) column 15, line 17 - line 38 ---	35-39
X	WO 98 30978 A (QUALISYS AB ;JOSEFSSON THORLEIF (SE)) 16 July 1998 (1998-07-16) claims 1,10 ---	35-39
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X	US 5 954 674 A (FUHR ARLAN W) 21 September 1999 (1999-09-21) column 4, line 66 -column 5, line 12 column 5, line 44 -column 6, line 21 column 12, line 22 - line 45 column 13, line 66 -column 14, line 7 --- -/--	41, 42, 44

Further documents are listed in the continuation of box C.       Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*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)

\*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

Date of the actual completion of the international search <b>18 June 2002</b>	Date of mailing of the international search report <b>24. 06. 2002</b>
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <b>Martelli, L</b>
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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 01/01649

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 330 912 A (ELLEGAST ET AL)	41-44
Y	5 May 1999 (1999-05-05)	47-54
	page 6, line 29 -page 10, line 11	
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Y	13 November 2000 (2000-11-13)	55-58
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A	9 November 1999 (1999-11-09)	53
	column 4, line 43 -column 5, line 50	
	column 9, line 1 - line 6	
	column 9, line 52 - line 54	

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA.01/01649**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 1-34  
because they relate to subject matter not required to be searched by this Authority, namely:  
RuTe 39.1(iv) PCT - Diagnostic method practised on the human or animal body
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 35-39

Apparatus for posture analysis comprising markers with an adhesive layer.

2. Claims: 41-44

Apparatus for posture analysis acquiring a position in space of the segment head-shoulders.

3. Claims: 45-54

Apparatus for the selection of exercises for posture improvement.

4. Claims: 55-58

Apparatus for providing posture health care using a distributed system.

## INTERNATIONAL SEARCH REPORT

Information on patent family members:

International Application No

PCT/CA 01/01649

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