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[Continued on next page]

(54) **Title:** METHOD AND SYSTEM FOR PLANNING A MEDICAL PROCEDURE AND GENERATING DATA RELATED TO SAID MEDICAL PROCEDURE

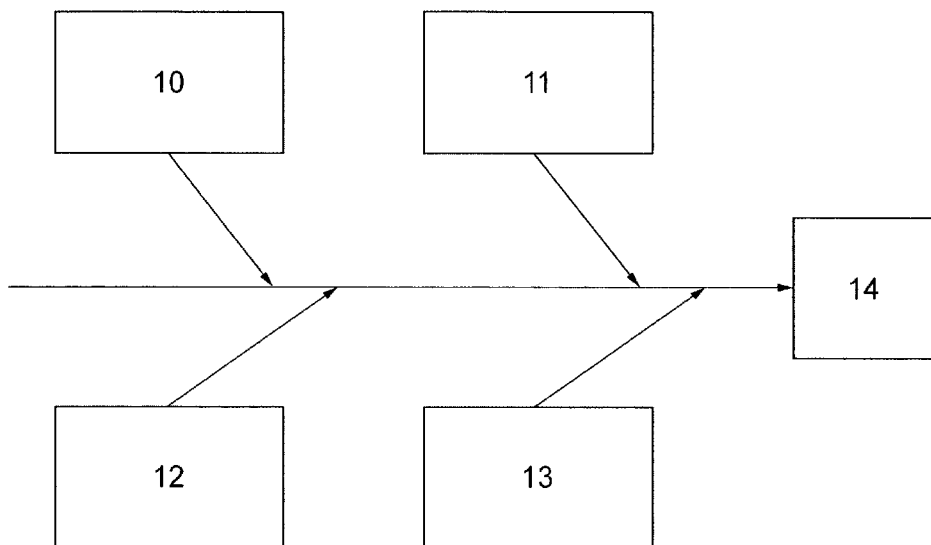


Fig.1

(57) **Abstract:** A computer-implemented method comprising virtual planning a medical procedure of a patient and/or generating data based on said virtual planning for subsequent use in production of a medical product devised for use in said medical procedure. The method comprises variation simulating a virtual assembly process of the medical procedure. In this manner robustness of the medical procedure is improved.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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6 August 2009

# INTERNATIONAL SEARCH REPORT

International application No <b>PCT/EP2008/007469</b>
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. A61C1/08                      A61B19/00

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)  
**A61C 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**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2006/125652 A (UNIVERSITE CATHOLIQUE DE LOUVAIN) 30 November 2006 (2006-11-30) abstract	1, 27, 29, 30
Y	US 2004/143351 A1 (RATHKE ET AL) 22 July 2004 (2004-07-22) paragraph [0013] - paragraph [0015] paragraph [0030] - paragraph [0034] claim 1	1, 27, 29, 30
A	WO 03/055407 A (NOBEL BIOCARE) 10 July 2003 (2003-07-10) cited in the application the whole document	20-22

Further documents are listed in the continuation of Box C.

See patent family 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.

\*G\* document member of the same patent family

Date of the actual completion of the international search

**14 January 2009**

Date of mailing of the international search report

**12/06/2009**

Name and mailing address of the ISA/

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2008/007469

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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.: 25, 28  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery  
Rule 39.1(vi) PCT - Program for computers

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 No. III Observations where unity of invention is lacking (Continuation of item 3 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 allsearchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
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.:

1-24, 26-27, 29, 30

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- 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: 1-24, 26-27, 29, 30

Computer-implemented method comprising virtual planning of a medical procedure of a patient, generating data based on said virtual planning, for subsequent use in production of a medical product, and variation simulating a virtual assembly process at least partly corresponding to said assembly process of said medical procedure; system for implementing the method; computer readable medium; medical workstation therefor.

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2. claim: 31

A graphical user interface for virtual planning of a medical procedure comprising a virtual assembly process of a medical product in said medical procedure, comprising an indicator for the robustness of said assembly process.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2008/007469
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006125652 A	30-11-2006	EP 1726265 A1	29-11-2006
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