A system for measuring sensation or sensory responses of a tissue of a subject (or patient) by delivering air pulses of controlled pressure, duration, and frequency to the tissue surface. The system can include an endoscope having a range finder component to determine the distance between the distal end of the endoscope and a target tissue surface. When it is determined that the endoscope has been positioned at a predetermined distance from the tissue surface, the air pulses can be administered to the tissue surface.
**INTERNATIONAL SEARCH REPORT**

**Date of the actual completion of the international search**
8 January 2016

**Date of mailing of the international search report**
04/05/2016

**Name and mailing address of the ISA/Es**
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HJ Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

**Authorized officer**
Schi ndel e r, Marti n

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**A. CLASSIFICATION OF SUBJECT MATTER**

INV. A61B1/267 A61B5/00 A61B1/273

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)
A61B A61M

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

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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Further documents are listed in the continuation of Box C.

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* 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 application or patent 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
  - "Z" document member of the same patent family
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. **X** Claims Nos.: 17-27  
   because they relate to subject matter not required to be searched by this Authority, namely:
   
   see FURTHER INFORMATION sheet PCT/ISA/210

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).

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 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.:

   1-16

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

1. claims: 1-16
   
   How to control the air stimuli.
   ---

2. claims: 28-34
   
   How to improve the image of the laser spot.
   ---
Continuation of Box II.1

Claims Nos.: 17-27

Claims 17-27 refer to a method for treatment of the human or animal body by surgery, because the method comprises the step of "positioning the distal end of the endoscope at a distance from a target location" and "delivering air pulses at varying controlled pressures, durations and frequencies". The movement of the interventional device within the human body and the step of delivering air pulses is an invasive method step generally carried out by a medical doctor and always involving the risk of damaging the bodily structure, like the lung wall. Consequently the claimed method qualifies as surgery according to Rule 39.1 (iv) PCT. No written opinion will be drafted in respect to these claims (see Art. 17 (2) (a) PCT, Rule 66.1(e) PCT).
<table>
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