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(74) Agents: O’SULLIVAN, Desmond, P. et al; Morrison & Foerster LLP; 1253 1 High Bluff Drive, Suite 100, San Diego, CA 92130-2040 (US).
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(54) Title: METHODS AND SYSTEMS FOR SNORE DETECTION AND CORRECTION

(57) Abstract: A method of detecting snoring includes:
- at a first smart mobile device: receiving a first audio signal from a microphone of the first smart mobile device; determining that the first audio signal includes characteristics of snoring; and in response to a determination that the first audio signal includes characteristics of snoring: transmitting a signal to an external alert unit.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
  IPC(8) - A61F 5/56 (2015.01)
  CPC - A61F 5/56 (2014.12)

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(8) - A61B 5/00; A61B 5/08; A61B 5/087; A61F 5/56; A61M 16/00 (2015.01)
  USPC - 128/848; 340/575; 600/586

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
  CPC - A61B 5/08; A61B 5/481; A61B 5/681; A61B 5/698; A61B 5/7282; A61B 5/7455; A61M 2205/3375 (2014.12) (keyword delimited)

Electronic database consulted during the international search (name of database and, where practicable, search terms used)
  Questel Orbit, Google Patents, Google Scholar, Google.

Search terms used: receive, audio, microphone, smart mobile, determine audio, snoring, transmit, signal unit

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2013/0144190 A1 (BRUCE et al) 06 June 2013 (06.06.2013) Entire document</td>
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<td>A</td>
<td>US 2013/0108995 A1 (DEPASQUA et al.) 02 May 2013 (02.05.2013) Entire document</td>
<td>1-17</td>
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</table>

* The documents are listed in the continuation of Box C.

** Asterisks indicate the following:
  "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

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