Abstract: This invention provides a computerised testing and diagnostic method (200) which includes: i. presenting (202), via a display (122) of a user interface (120), to a user or test-taker (130) a plurality of questions relating to different areas within a discipline; ii. receiving (204) from the user (130), via an input arrangement (124) associated with the user interface (120), answers to the questions; iii. assessing (206), by a processing module (102), the answers determined whether or not they are correct; iv. grading (208), by the processing module (102), the proficiency of the user (130) in each of the areas to determine whether or not the proficiency in one or more areas is below an acceptable threshold (210) and, if so, decreasing or refining (212) the granularity of the questions in the areas in which proficiency is below the acceptable threshold; and v. repeating at least steps i. (202) to l.iii. (206) at least once in respect of the refined questions.
— of inventorship (Rule 4.17(iv))

Published:
— with international search report (Art. 21(3))
## INTERNATIONAL SEARCH REPORT

**International application No.**
PCT/IB2013/054304

### A. CLASSIFICATION OF SUBJECT MATTER

**IPC(8) - G09B 7/02 (2013.01)**

USPC - 434/322

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)

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

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**USPC**

- 434/1 18,169,178,322,350,362; 706/927

**INTERNATIONAL**

- Mail P.O.
- Facsimile

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
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<td>X</td>
<td>US 2010/0129783 A1 (LIANG et al) 27 May 2010 (27.05.2010), entire document</td>
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<td>A</td>
<td>US 5,827,070 A (KERSHAW et al) 27 October 1998 (27.10.1998), entire document</td>
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<td>WO 2011/122930 A1 (HANI2 et al) 06 October 2011 (06.10.2011), entire document</td>
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**Further documents are listed in the continuation of Box C.**

- 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
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  - "P" later document published after the international filing date on which the priority claim(s) is not conflict with the application but cited to understand the principle or theory underlying the invention
  - "T" later document published after the international filing date on which the priority claim(s) is not conflict with the application but cited to understand the principle or theory underlying the invention
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  - "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 of the same patent family

**Date of the actual completion of the international search**

- 27 October 2013

**Date of mailing of the international search report**

- 05 November 2013

**Name and mailing address of the ISA/US**

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