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- (81) **Designated States** (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
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BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR,
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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
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KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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- with international search report (Art. 21(3))
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(54) **Title:** PATIENT SLEEP THERAPY SELF MANAGEMENT TOOL

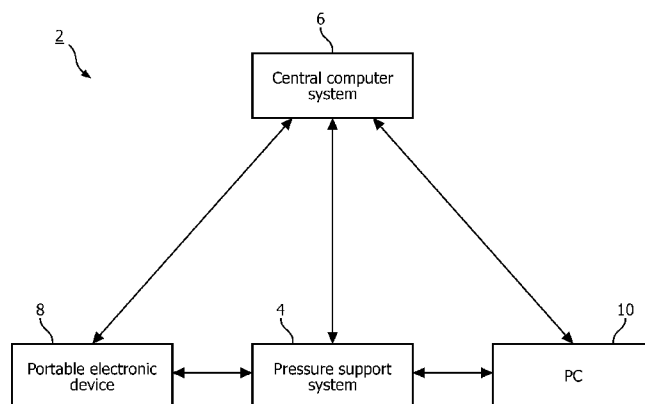


FIG. 1

(57) **Abstract:** A tool for use in conjunction with a pressure support system that is structured to provide therapy to a patient to treat a condition of the patient by delivering a flow of breathing gas to the patient. The tool may be implemented on a portable electronic device or a PC and is configured to, among other things, provide customized/personalized education and feedback to the patient based, at least in part, on data that is measured by the pressure support system during the provision of therapy to the patient. The tool utilizes certain patient/therapy metrics, wherein each patient/therapy metric comprises raw data that was measured by the pressure support system and that has been processed (e.g., summarized and/or otherwise manipulated) to form the patient/therapy metric.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2013/054739

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F19/00
ADD.

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)
G06F

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 practicable, search terms used)

EP0-Internal, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"TRENDset Software Manual (Version 1.1.17)", Hoffrichter GmbH , 1 November 2011 (2011-11-01), pages 1-87, XP055080651, Schwerin, Germany Retrieved from the Internet: URL:http://www.ukcpap.co.uk/PDF Trend II Software Manual.pdf [retrieved on 2013-09-24] the whole document ----- -/--	1-29

☒ 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 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

"&" document member of the same patent family

Date of the actual completion of the international search

24 September 2013

Date of mailing of the international search report

11/12/2013

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Carl Stepnowsky: "Telemonitoring and Sleep Apnea: Effect on CPAP Adherence", VIREC Clinical Informatics Seminar, 15 May 2012 (2012-05-15), pages 1-58, XP055080646, Retrieved from the Internet: URL:http://www.hsrdr.research.va.gov/for_researchers/cyber_seminars/archives/vci-051512.pdf [retrieved on 2013-09-24] pages 3,4,11 page 16 - page 21 page 35 - page 47 page 54	1-29
A	----- US 2008/071580 A1 (MARCUS ALAN O [US] ET AL) 20 March 2008 (2008-03-20) paragraph [0080] - paragraph [0136]; figures 1-2C paragraph [0202] - paragraph [0228]; figures 21-29 -----	1-29
A	----- EP 1 800 705 A2 (RESMED LTD [AU]) 27 June 2007 (2007-06-27) the whole document -----	1-29

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2013/054739

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.:
because they relate to subject matter not required to be searched by this Authority, namely:
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 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.:

1-29

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: 1-29

Method and computing device for providing information to a patient, wherein the patient uses a pressure support system structured to provide therapy to the patient to treat a condition of the patient by delivering a flow of breathing gas to the patient that identifies components of the pressure support system and the connection type to be used and presents information relative to the set up of the communications between computing device and pressure support system for retrieving therapy data

2. claims: 30-53

Method and computing device for providing information to a patient, wherein the patient uses a pressure support system structured to provide therapy to the patient to treat a condition of the patient by delivering a flow of breathing gas to the patient that sets therapy goals and controls the progress toward the goals

3. claims: 54-61

Method and computing device for reporting information relating to use by a patient of a pressure support system structured to provide therapy to the patient to treat a condition of the patient by delivering a flow of breathing gas to the patient that automatically transmits messages based on therapy data.

4. claims: 62-67

Method of establishing an account for a user of in a system for providing information to a patient, wherein the patient uses a pressure support system structured to provide therapy to the patient to treat a condition of the patient by delivering a flow of breathing gas to the patient that validates device identifying information

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2013/054739

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2008071580 A1	20-03-2008	US 2008071580 A1 WO 2009035477 A1	20-03-2008 19-03-2009
EP 1800705 A2	27-06-2007	EP 1800705 A2 JP 5132925 B2 JP 2007175496 A US 2007144519 A1 US 2011139154 A1	27-06-2007 30-01-2013 12-07-2007 28-06-2007 16-06-2011