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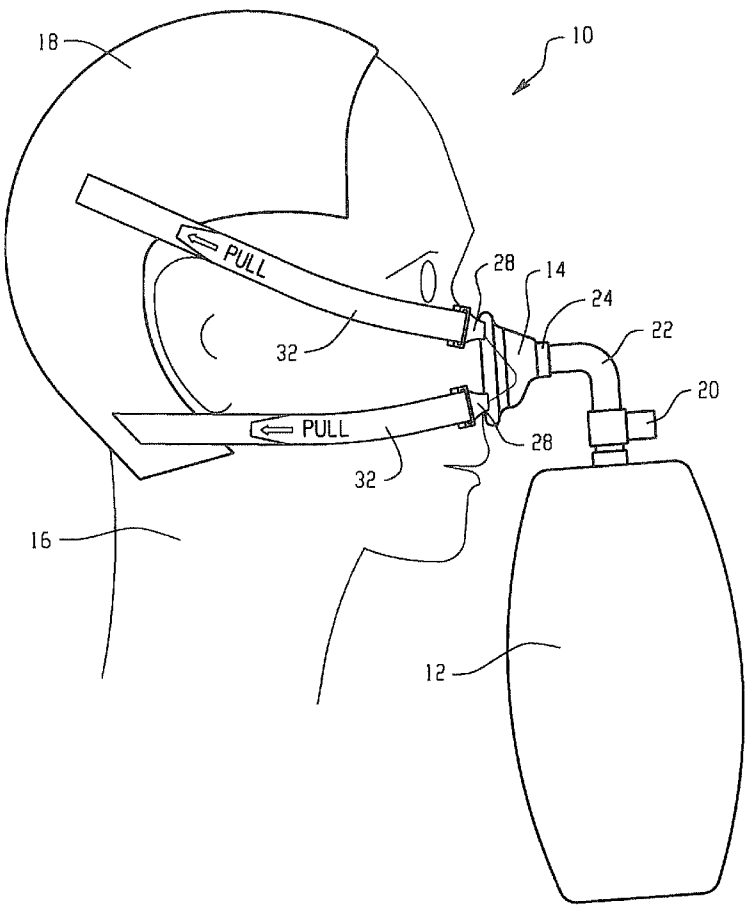
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[Continued on next page]

(54) Title: MANUAL LUNG VENTILATION DEVICE



(57) Abstract: A manual lung ventilation device and method suitable for acute manual respiratory resuscitation and lung ventilation of a person are disclosed. The manual lung ventilation device includes a nasal interface in fluid communication with a flexible chamber. The nasal interface being held in the proper position on the person by a headgear and at least one securing device adapted to connect the nasal interface to the headgear. The device may be formed as a single component to allow an operator to rapidly position the device on the person to be ventilated and operate the device with one hand.

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PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report*

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

(88) Date of publication of the international search report:
24 December 2008

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/081869

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M16/00 A61M16/06

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)
A61M

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/217675 A1 (THOMPSON) 6 October 2005 (2005-10-06) page 1, paragraph 18 - page 2, paragraph 22; figures	1-20
Y	US 2003/154980 A1 (BERTHON-JONES) 21 August 2003 (2003-08-21) page 2, paragraph 29 - paragraph 31; figures 1,2,5,6	1-4,7-20
Y	GB 23021 A A.D. 1913 (DAVIS ROBERT HENRY) 5 March 1914 (1914-03-05)	5
A	the whole document	1-4,6-20
Y	US 6 543 446 B1 (CHRISTOPHER) 8 April 2003 (2003-04-08)	6
A	column 9, line 3 - line 44; figures 1-3,5	1-5,7-20

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[X] Further documents are listed in the continuation of Box C.

[X] 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.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
3 November 2008	13/11/2008

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

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.
A	US 3 342 177 A (PEHR LAWE CLEMENTZ) 19 September 1967 (1967-09-19) the whole document	1-20
A	US 2003/075182 A1 (HEIDEMANN) 24 April 2003 (2003-04-24) page 5, paragraph 52 - paragraph 52; figure 8	1-20
A	US 2003/024533 A1 (SNIADACH) 6 February 2003 (2003-02-06) page 2, paragraph 41 - paragraph 44; figures 1-3,9,11	1-20
A	WO 2004/108199 A (ANDERSON) 16 December 2004 (2004-12-16) abstract; figures	1-20

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 21

The method for accomplishing manual respiratory resuscitation described in claim 21 comes within the definition of methods of treatment of the human or animal body by therapy given in Rule 39.1(iv) PCT. According to Art. 17.2(a)(i) and (b) the ISA is not required to perform the search for such matter.

INTERNATIONAL SEARCH REPORT

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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. [X] Claims Nos.: 21
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).

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:

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 reportcovers 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.:

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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2007/081869

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005217675 A1	06-10-2005	CA 2562455 A1	03-04-2008
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US 2003024533 A1	06-02-2003	NONE	
WO 2004108199 A	16-12-2004	NONE	