PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

A3

(11) International Publication Number:

WO 96/39206

A61M 16/00, A62B 7/00, 18/02

(43) International Publication Date:

12 December 1996 (12.12.96)

(21) International Application Number:

PCT/IL96/00004

(22) International Filing Date:

5 June 1996 (05.06.96)

(30) Priority Data:

114022

6 June 1995 (06.06.95)

IL

(71) Applicant (for all designated States except US): ASN RESPI-RATION DEVICE LTD. [IL/IL]; Technology Center, 20179 Misgav (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): OREN, Nathan [IL/IL]; 56 Morad Hagay, 21752 Carmiel (IL).

(74) Agent: COHEN ZEDEK & RAPAPORT; 29 Bezalel Street, 64683 Tel-Aviv (IL).

(81) Designated States: AT, AU, BG, BR, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, HU, IS, JP, KR, LT, LU, LV, MX, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, TR, UA, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

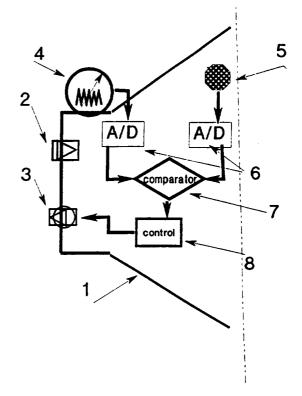
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(88) Date of publication of the international search report: 24 April 1997 (24.04.97)

(54) Title: RESPIRATION DEVICE

(57) Abstract

A respiration mask (1) to prevent sleep apnea and snoring, comprises means (5) for measuring the real time pressure inside the mask, and means (3) (8) for maintaining a predetermined pressure inside the mask. The mask (1) is self-contained and does not require external air compression means.



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AM	Armenia	GB	United Kingdom	MW	Malawi
ΑT	Austria	GE	Georgia	MX	Mexico
ΑU	Australia	GN	Guinea	NE	Niger
BB	Barbados	GR	Greece	NL	Netherlands
BE	Belgium	HU	Hungary	NO	Norway
BF	Burkina Faso	IE	Ireland	NZ	New Zealand
BG	Bulgaria	IT	Italy	PL	Poland
BJ	Benin	JP	Japan	PT	Portugal
BR	Brazil	KE	Kenya	RO	Romania
BY	Belarus	KG	Kyrgystan	RU	Russian Federation
CA	Canada	KP	Democratic People's Republic	SD	Sudan
CF	Central African Republic		of Korea	SE	Sweden
CG	Congo	KR	Republic of Korea	SG	Singapore
CH	Switzerland	KZ	Kazakhstan	SI	Slovenia
CI	Côte d'Ivoire	LI	Liechtenstein	SK	Slovakia
CM	Cameroon	LK	Sri Lanka	SN	Senegal
CN	China	LR	Liberia	SZ	Swaziland
CS	Czechoslovakia	LT	Lithuania	TD	Chad
CZ	Czech Republic	LU	Luxembourg	TG	Togo
DE	Germany	LV	Latvia	TJ	Tajikistan
DK	Denmark	MC	Monaco	TT	Trinidad and Tobago
EE	Estonia	MD	Republic of Moldova	UA	Ukraine
ES	Spain	MG	Madagascar	UG	Uganda
FI	Finland	ML	Mali	US	United States of America
FR	France	MN	Mongolia	UZ	Uzbekistan
GA	Gabon	MR	Mauritania	VN	Viet Nam

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL96/00004

							
A. CLASSIFICATION OF SUBJECT MATTER							
IPC(6) :A61M 16/00; A62B 7/00, 18/02 US CL :128/204.18, 204.21, 204.23, 205.25							
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)							
U.S. : U.S. CL. 128/204.18, 204.21, 204.23, 205.25							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
NONE							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
NONE							
C DOCUMENTS CONSIDERED TO BE DELEVANT							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages Relevant to claim No.					
.,	110 F 005 F05 A (BUDO! BU) 20 A	lovember 1993, Figs. 1-3, 1-5					
Υ	US 5,265,595 A (RUDOLPH) 30 N	lovember 1993, Figs. 1-3. 1-3					
VF		2 November 1996, Fig. 1: 1-5					
Y,E	05 5,572,555 A (KONONE of all 12 Hovelles) 105 5, 115						
	and col. 7, lines 7+.						
	ner documents are listed in the continuation of Box C	See patent family annex.					
Furti	her documents are listed in the continuation of box c						
Special categories of cited documents: T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the							
"A" document defining the general state of the art which is not considered principle or theory underlying the invention to be of particular relevance							
"E" ea	rlier document published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step					
	cument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other	when the document is taken alone					
sp.	ecial reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is					
	cument referring to an oral disclosure, use, exhibition or other	combined with one or more other such documents, such combination being obvious to a person skilled in the art					
1	current published prior to the international filing date but later than	"&" document member of the same patent family					
	e priority date claimed						
Date of the	Date of the actual completion of the international search Date of mailing of the international search report						
04 MARCH 1997							
Nama and -	mailing address of the ISA/IIS	Authorized officer .					
Commissio	mailing address of the ISA/US oner of Patents and Trademarks	I Ludie former					
Box PCT Washington	n. D.C. 20231	AARON J. LEWIS					
Facsimile No. (703) 305-3590 Telephone No. (703) 308-0716							
Form PCT/ISA/210 (second sheet)(July 1992)*							

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL96/00004

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
This international 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:					
Claims Nos.: 6 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: Claim 6 was not searched because it fails to point out what is included or excluded by the claim language.					
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 II Observations where unity of invention is lacking (Continuation of item 2 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 all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
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.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					