(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 February 2003 (27.02.2003)

PCT

(10) International Publication Number
WO 03/015844 A3

(51) International Patent Classification[7]: A62B 7/00, 9/06, 17/00, A61B 17/04, A62B 18/00, A61M 16/00, 15/08

(21) International Application Number: PCT/US02/26434

(22) International Filing Date: 15 August 2002 (15.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/930,398 15 August 2001 (15.08.2001) US

(71) Applicants and
(72) Inventors: **CARLUCCI, Christine** [US/US]; 400 Vernon Avenue, Staten Island, NY 10309 (US). **CARLUCCI, Gerard** [US/US]; 400 Vernon Avenue, Staten Island, NY 10309 (US).

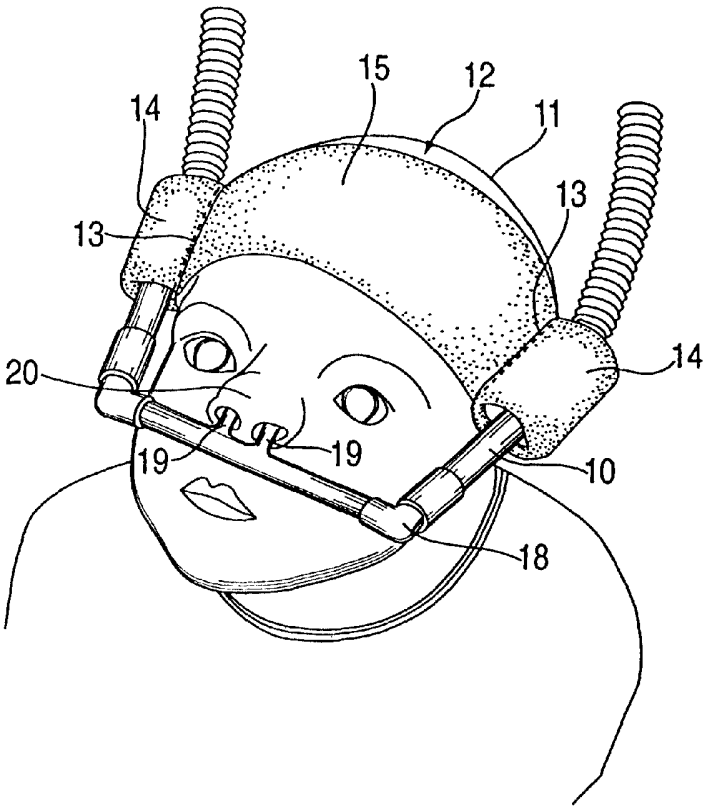
(74) Agent: **DEL VALLE, Marguerite**; Trademark and Patent Counselors of America, P.C., 915 Broadway, New York, NY 10010 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: MEDICAL TUBING SECURING DEVICE



(57) Abstract: This invention relates to a device designed to comfortably and efficiently maintain medical tubing in place on the head of a hospitalized patient. The device (12) comprises a substantially circular member (15) fabricated from an elastic material, with one or more integrated loops (14). The circular member (15) engages the head of the patient, and the elastic property of the circular member (15) serves to secure it to the head of the patient comfortably without causing constriction of blood vessels or skin irritation. The integrated loops (14) can receive medical tubing (10) such as that associated with continuous positive airway pressure (CPAP) delivery systems, nasal and oral gastric feeding tubes, pH probes, oral suction tubes, gastric secretion tubes and tubes used for intravenous drug delivery.

WO 03/015844 A3

Published:
— *with international search report*

(88) Date of publication of the international search report:
6 November 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/26434

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A62B 7/00,9/06,17/00,17/04,18/00; A61M 16/00,15/08
US CL : 128/207.18,207.17,201.22,201.29

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. : 128/207.18,207.17,201.22,201.29

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,269,814 B1 (BLASZCYKIEWICZ et al) 07 August 2001 (07.08.2001), see entire patent, Fig. 1..	1-14
X	US 4,018,221 A (RENNIE) 19 April 1977 (19.04.1977), see Fig. 1.	1-14

☐ 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 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
03 October 2002 (03.10.2002)	17 APR 2003
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Aaron Lewis Telephone No. 703-308-0858

Form PCT/ISA/210 (second sheet) (July 1998)