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- (71) Applicant (for all designated States except US): **VBOX, INCORPORATED** [US/US]; 2342 East County Road J, White Bear Lake, Minnesota 55110 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JAGGER,**

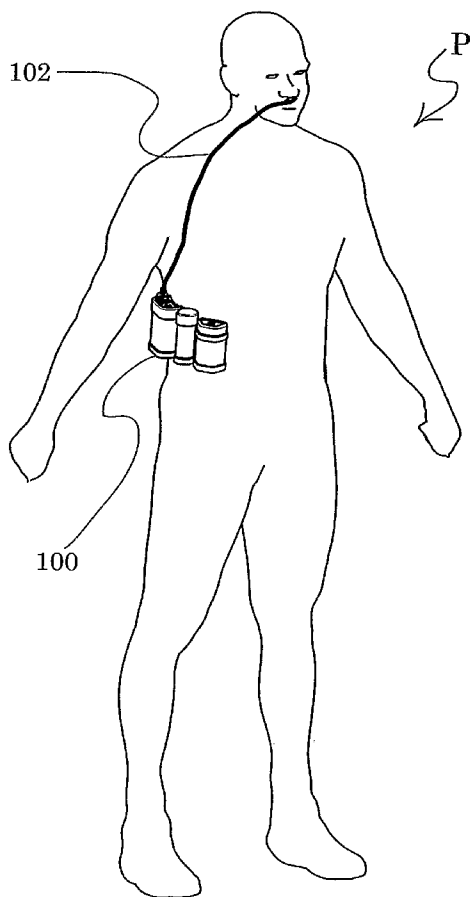
Theodore, W. [US/US]; c/o VBOX, INCORPORATED, 2342 East County Road J, White Bear Lake, Minnesota 55110 (US). **VAN BRUNT, Nicholas, P.** [US/US]; c/o VBOX, INCORPORATED, 2342 East County Road J, White Bear Lake, Minnesota 55110 (US). **KIVISTO, John, A.** [US/US]; c/o VBOX, INCORPORATED, 2342 East County Road J, White Bear Lake, Minnesota 55110 (US). **LONNES, Perry, B.** [US/US]; c/o VBOX, INCORPORATED, 2342 East County Road J, White Bear Lake, Minnesota 55110 (US).

(74) Agents: **BERGMAN, Larrin, P.** et al.; c/o KINNEY & LANGE, PA, Kinney & Lange Building, 312 South Third Street, Minneapolis, Minnesota 55415-1002 (US).

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(54) Title: PERSONAL OXYGEN CONCENTRATOR



(57) Abstract: An oxygen separator (100) for separating oxygen from ambient air utilizing a vacuum swing adsorption process has a mass of less than 2.3 kg. A carrier (104) is mountable on a person (P) to support the oxygen separator (100) for ambulatory use.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A62B 7/10(2006.01),19/00(2006.01),23/02(2006.01)**

 USPC: 128/201.25,205.11,205.18,202.26;96/121,133,147;95/96,97,98,99,100,101,102,103
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 128/201.25, 205.11, 205.18, 202.26; 96/121, 133, 147; 95/96, 97, 98, 99, 100, 101, 102, 103

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 6,471,744 B1 (Hill) 29 October 2002 (29.10.2002), see entire disclosure	11-15 and 18
Y	US 6,712,886 B2 (Kim) 30 March 2004 (30.03.2004) see entire disclosure	1-10, 16, 17 and 19-21

Further documents are listed in the continuation of Box C. See patent family annex.

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Name and mailing address of the ISA/US:
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 Facsimile No. (571) 273-3201

Authorized officer:
 Teena Mitchell
 Telephone No. 703-308-0861