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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).

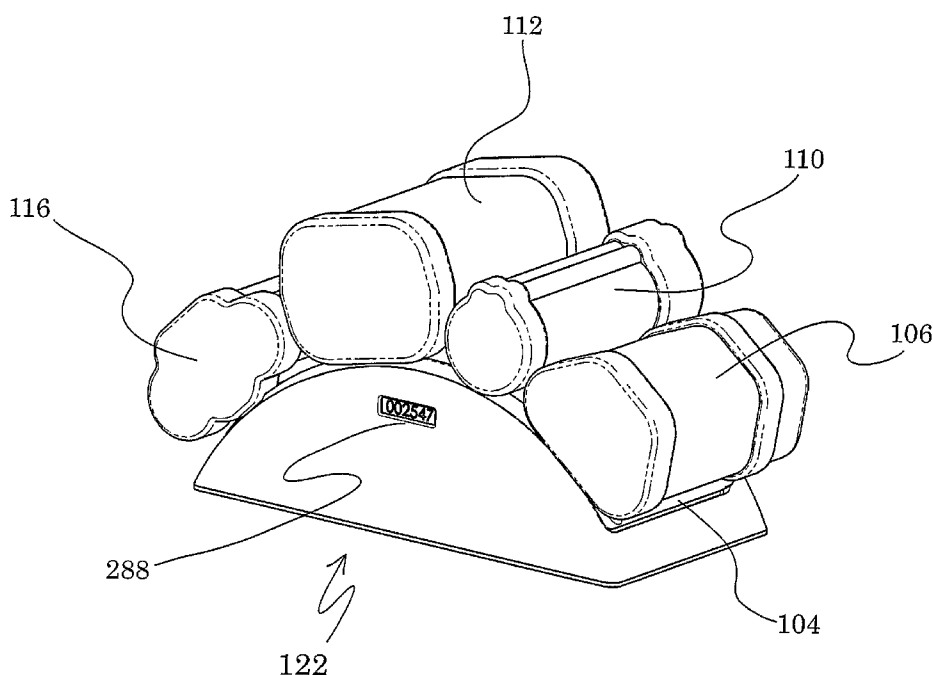
(74) Agents: **BERGMAN, Larrin, P.** et al.; c/o Kinney & Lange, PA, Kinney & Lange Building, 312 South Third Street, Minneapolis, MN 55415-1002 (US).

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[Continued on next page]

(54) Title: PORTABLE OXYGEN CONCENTRATOR WITH A DOCKING STATION



(57) Abstract: Disclosed is an oxygen supply system comprising a portable oxygen concentrator (100) for providing oxygen-rich product gas to a patient (P). The oxygen concentrator (100) contains a rechargeable power source (108). A docking station (122) is provided to receive the oxygen concentrator (100). The docking station (122) provides electric power to operate the oxygen concentrator (100) while it is docked and recharges the rechargeable power source (108).

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/04519

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A62B 7/10, A62B 7/00 (2007.01)

USPC: 128/201.25; 128/205.11

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)

USPC: 128/201.25; 128/205.11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC: 128/201.21, 128/202.26, 128/205.18

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWest

adsorption, adsorbent, oxygen, concentrator, rechargeable, docking, station

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 6,691,702 B2 (APPEL et al) 17 February 2004 (17.02.2004), Col.8, ln 1-25, Col.19, ln 1-55, Col. 20, ln 20-29, Col.21, ln 20-33	1, 2, 5, 7, 10, 12, 15, 17 ----- 3, 4, 6, 8, 9, 11, 13, 14, 16
Y	US 2004/0103895 A1 (RICHLEY, II et al) 3 June 2004 (03.06.2004), para [0092]	3, 4, 8, 9, 13, 14
Y	US 4,627,860 A (ROWLAND) 9 December 1986 (09.12.1986), Col.1, ln 45-55	6, 11, 16

☐ Further documents are listed in the continuation of Box C.

## \* Special categories of cited documents:

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"&amp;" document member of the same patent family

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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

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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300  
PCT OSP: 571-272-7774