



US007758672B2

(12) **United States Patent**
Lee et al.

(10) **Patent No.:** **US 7,758,672 B2**
(45) **Date of Patent:** **Jul. 20, 2010**

(54) **APPARATUS OF OXYGEN CONCENTRATION SYSTEM AND METHOD THEREOF**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 755 days.

(21) Appl. No.: **11/601,206**

(22) Filed: **Nov. 17, 2006**

(65) **Prior Publication Data**
US 2007/0169623 A1 Jul. 26, 2007

(30) **Foreign Application Priority Data**
Jan. 26, 2006 (KR) 10-2006-0008516
May 24, 2006 (KR) 10-2006-0046611

(51) **Int. Cl.**
B01D 53/02 (2006.01)

(52) **U.S. Cl.** **95/96; 95/148; 96/130; 128/205.12; 128/205.27**

(58) **Field of Classification Search** 95/96, 95/100, 103, 148; 96/130; 128/205.12, 205.27
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

The present invention relates to an apparatus and process for oxygen concentration that makes possible the production of highly purified concentrated oxygen by modifying the structure of the adsorption bed and with various valves coupled thereto, and which can increase purity of the oxygen produced and reduce mechanical energy and consumption of electricity of the air compressor.

15 Claims, 16 Drawing Sheets

