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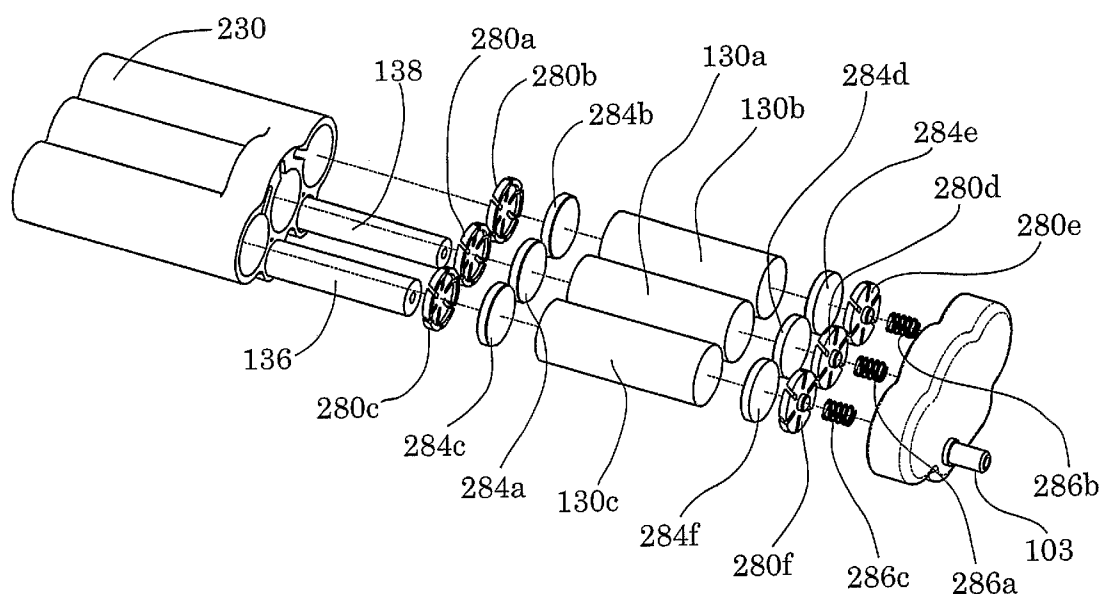
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(54) Title: ADSORBENT CARTRIDGE FOR OXYGEN CONCENTRATOR



(57) Abstract: A removable gas separation cartridge (206) which includes a housing (230) containing three columns (130), each having an inlet port (132), an outlet port (134), and a bed of adsorbent material (282). The cartridge (206) is removable from an oxygen concentrator (100) which separates oxygen from ambient air by using a vacuum swing absorption process.

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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/US 06/04429

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
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, cartridge, adsorbent, filter, air, gas, product, porous, spin inducer

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.9, ln 56-63, Col.10, ln 15-32, Col.17, ln 2-8 and 23-37, Fig.3A, 3B, 4	1-5, 7, 8, 8a, 9-12, 14, 15 ----- 6,13
Y	US 6,746,513 B2 (ANDERSON) 8 June 2004 (08.06.2004), Col.4, ln 10-19	6,13

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Further documents are listed in the continuation of Box C.

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