

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 March 2006 (09.03.2006)

PCT

(10) International Publication Number
WO 2006/026494 A1

- (51) International Patent Classification:
E03B 3/28 (2006.01) *B01D 53/26* (2006.01)
- (21) International Application Number:
PCT/US2005/030529
- (22) International Filing Date: 26 August 2005 (26.08.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|------------------------------|----|
| 60/606,326 | 31 August 2004 (31.08.2004) | US |
| 60/619,264 | 15 October 2004 (15.10.2004) | US |
| 60/642,597 | 10 January 2005 (10.01.2005) | US |

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- (71) Applicant and
(72) Inventor: SHER, Abraham, M. [US/US]; 337 South Wetherly Drive, Beverly Hills, CA 90211 (US).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

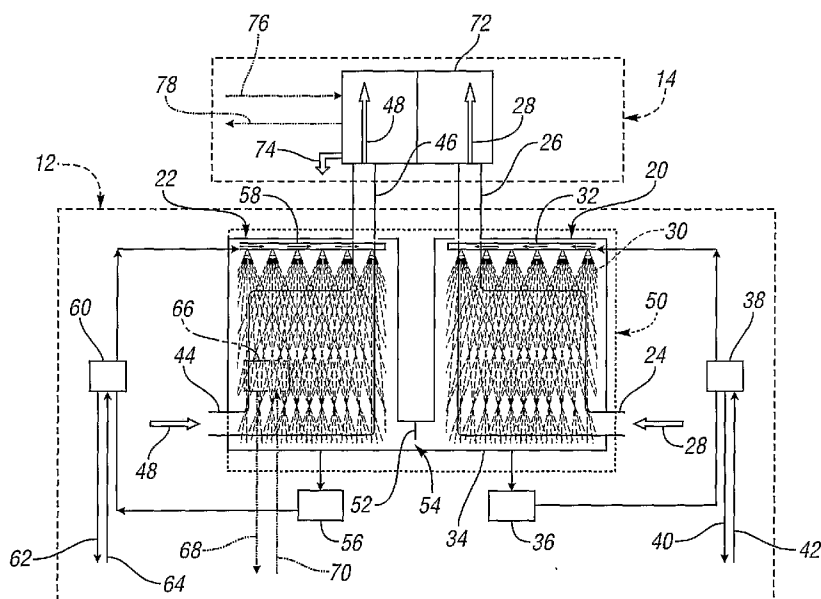
- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

- (74) Agents: MALOOLEY, Marc, F. et al.; Brooks Kushman, 1000 Town Center, Twenty-Second Floor, Southfield, MI 48075 (US).

- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

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.

- (54) Title: SYSTEM AND METHOD FOR PRODUCING WATER



- (57) Abstract: A method for producing water includes removing water from a first airflow using a first process which includes exposing at least some of the first airflow to a desiccant. This increases water content of at least some of the desiccant. At least some of the desiccant having increased water content is introduced into a second airflow. This facilitates evaporation of water from the desiccant into the second airflow, and increases water content of the second airflow. Water is then removed from the second airflow.

WO 2006/026494 A1