



(51) International Patent Classification:

B01D 3/10 (2006.01) **B01D 53/14** (2006.01)
B01D 5/00 (2006.01)

(21) International Application Number:

PCT/AU2011/000508

(22) International Filing Date:

10 April 2011 (10.04.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2010901506 9 April 2010 (09.04.2010) AU

(71) Applicant (for all designated States except US):

ABARIDY PTY LTD [AU/AU]; 1st Floor, 72 Marine Terrace, Fremantle, Western Australia 6160 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HARMAN, Jayden** [AU/US]; 93 Crestwood Drive, San Rafael, California

94901 (US). **BERTONE, Francesca** [US/US]; 93 Crestwood Drive, San Rafael, California 94901 (US). **WOODGATE, Peter** [AU/AU]; 52 Gordon Road West, Dianella, Western Australia 6059 (AU). **GIELDA, Thomas** [US/US]; 3505 Bluegrass Way, Saint Joseph, MI 49085 (US).

(74) Agent: **WOODGATE, Peter**; Unit 1, 112 Hayes Avenue, Yokine, Western Australia 6060 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) Title: VAPOUR ABSORPTION SYSTEM

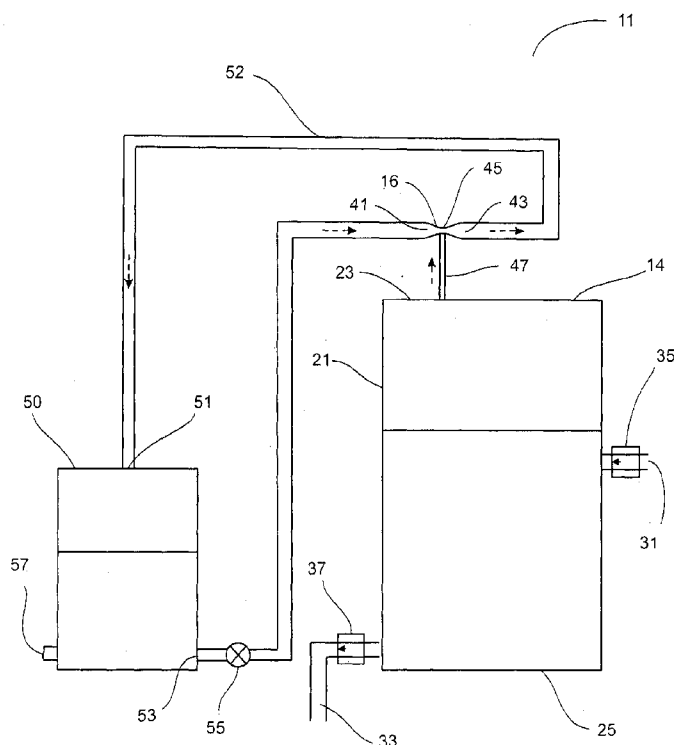


Figure 1

(57) Abstract: A vapour absorption system (11) adapted to receive a vapour comprising a vacuum pump (16) having an operating liquid wherein the vapour is received by an operating liquid and condensed therein to provide condensed liquid mixed with the operating liquid.



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))