



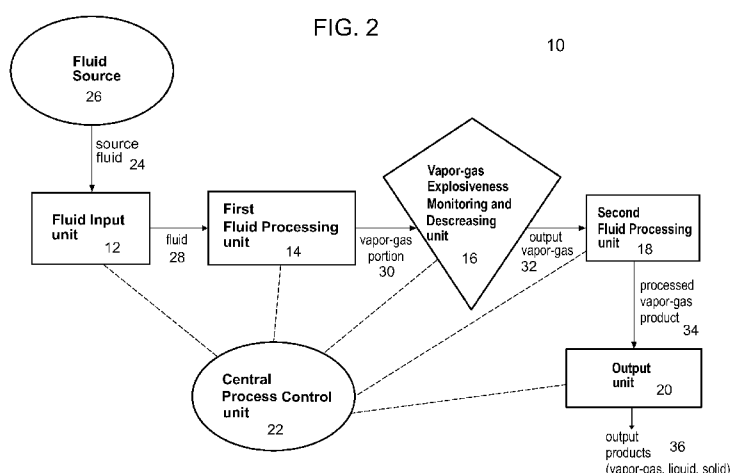
- (51) **International Patent Classification:**
B01J 19/00 (2006.01)
- (21) **International Application Number:**
PCT/IB2008/055567
- (22) **International Filing Date:**
29 December 2008 (29.12.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/009,214 27 December 2007 (27.12.2007) US
- (71) **Applicant (for all designated States except US):** ELCON RECYCLING CENTER (2003) LTD. [IL/IL]; P.O. Box 1428, 31013 Haifa (IL).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** ELGAT, Zvi [IL/IL]; P.O. Box 232, 71908 Reut (IL). AVIEZER, Yaron [IL/IL]; Moshav Nahalal, P.O. Box 186, 10600 Doar-Na Yizrael (IL).
- (74) **Agents:** G.E. EHRlich (1995) LTD. et al.; 11 Menachem Begin Street, 52521 Ramat Gan (IL).
- (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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- Published:**
- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) **Date of publication of the international search report:**
20 August 2009

(54) **Title:** SAFELY PROCESSING A FLUID VIA MONITORING AND DECREASING EXPLOSIVENESS OF VAPOR-GAS SPECIES FORMED THEREFROM OR CONTAINED THEREIN



(57) **Abstract:** Safely processing fluid via monitoring and decreasing explosiveness of vapor-gas species formed therefrom, or contained therein. Fluid input unit 12, for transporting source fluid 24; first fluid processing unit 14, for receiving and processing fluid 26, and forming processed fluid including vapor-gas portion 30; vapor-gas explosiveness monitoring and decreasing unit 16, for measuring at least an indication of explosiveness level of vapor-gas portion 30, wherein if the measurement exceeds a pre-determined threshold explosiveness level (PDTEL), then vapor-gas portion 30 is condensed, for forming condensate and output vapor-gas 32 whose explosiveness level is less than lower explosion limit (LEL) of output vapor-gas 32; second fluid processing unit 18, for processing output vapor-gas 32, and forming processed vapor-gas product 34. Includes an output unit 20 for transporting processed vapor-gas product 34 as (vapor-gas, liquid, or/and solid) output products 36, for disposal, storage, or/and additional processing, and a central process control unit 22.

WO 2009/083931 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2008/055567

A. CLASSIFICATION OF SUBJECT MATTER INV. B01J19/00		
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) B01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family	
Date of the actual completion of the international search	Date of mailing of the international search report	
24 June 2009	06/07/2009	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Baumlin, Sébastien	

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2008/055567

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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International application No

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