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O. [US/US]; 1105 Westshore Place, Loveland, CO 80538 (US).

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(74) Agent: **MILES, Craig, R.**; CR Miles, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524 (US).

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(71) Applicant (for all designated States except US): **CO2 SOLUTIONS, LLC** [US/US]; 204 Walnut Street, Suite C, Fort Collins, CO 80524 (US).

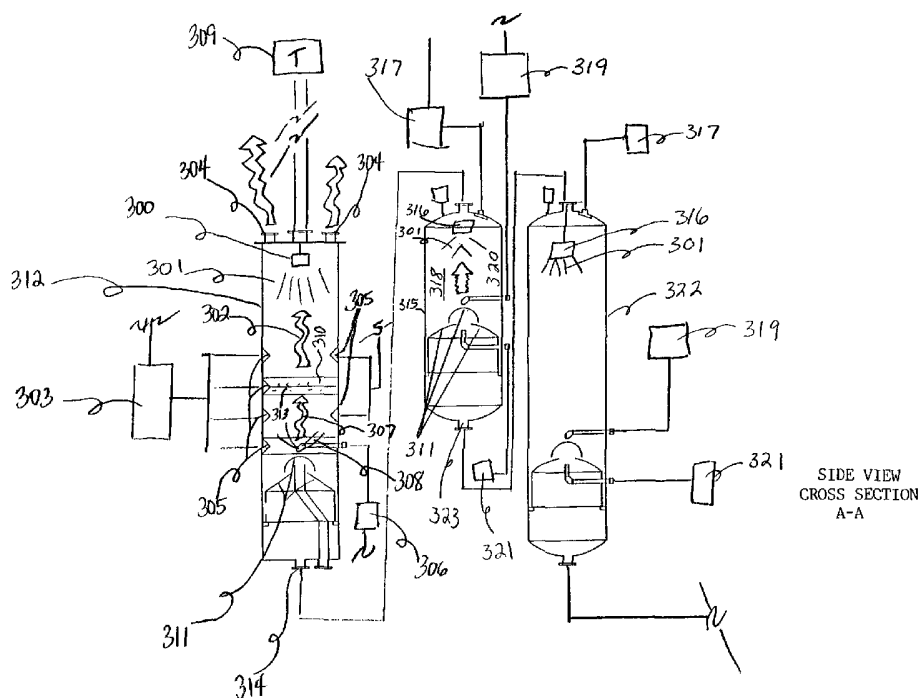
(72) Inventor; and

(75) Inventor/Applicant (for US only): **SANDERS, David**,

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

[Continued on next page]

(54) Title: JUICE PURIFICATION SYSTEM



(57) Abstract: A method of purifying juice obtained from plant material by exposing the juice (1) to a gas (3) having characteristics which allow transfer of at least one substance from said juice to said gas to the reduce the amount of said substance with the juice, a juice purification system for carrying out the process and the products of the process.

**Declarations under Rule 4.17:**

- as to the identity of the inventor (Rule 4.17(i)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (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)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO

patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

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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/US03/26209

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C13D 3/00, 3/02, 3/04, 3/06, 3/16
US CL : 127/3, 4, 9, 11, 12, 30, 43, 50, 53, 58

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)

U.S. : 127/3, 4, 9, 11, 12, 30, 43, 50, 53, 58

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 practicable, search terms used)
Please See Continuation Sheet

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 4,795,494 A [TOTH et al] 03 January 1989, see column 7, lines 29-30 and examples.	69-76, 140-157, 169, 173-204, 209, 210 ----- 158-161, 170-172, 211- 244
X --- Y	US 2,164,186 A [BROWN et al] 27 June 1939, see entire document.	69-76, 140-145, 169, 173-178, 189-193, 204, 209, 210 ----- 146-161, 170-172, 179- 188, 194-203, 211-244
A	US H1206 [THIBODEAUX et al] 06 July 1993, see entire document.	1-244
A	US 4,116,712 A [OTHMER] 26 September 1978, see entire document.	1-244

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

01 May 2004 (01.05.2004)

Date of mailing of the international search report

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

David M Brunzman

Telephone No. 703-308-0661

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2,672,330 A [SWENSON] 16 March 1954, see entire document.	1-244
A	US 2,431,163 A [BOEHM et al] 18 November 1947, see entire document.	1-244

INTERNATIONAL SEARCH REPORT

PCT/US03/26209

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: sugar, stripping, juice, diffusion