(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 July 2003 (17.07.2003)

PCT

(10) International Publication Number
WO 03/058497 A2

(51) International Patent Classification[7]: G06F 17/30

(21) International Application Number: PCT/IB02/05700

(22) International Filing Date:
27 December 2002 (27.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/346,356 7 January 2002 (07.01.2002) US
10/303,630 25 November 2002 (25.11.2002) US

(71) Applicant: **L'AIR LIQUIDE - SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75, quai d'Orsay, F-75321 Paris Cedex 07 (FR).

(72) Inventors: **CHEVREL, Henri**; 7309 Brentfield Drive, Dallas, TX 75248 (US). **RAGHAVAN, Vinod**; 17817 Coit Road #7310, Dallas, TX 75252 (US). **MCKEAN, Kevin**; 2300 McCue #272, Houston, TX 77056 (US). **HUDSON, Anthony**; 232 Zachary Walk, Murphy, TX 75094 (US).

(81) Designated States *(national)*: 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(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, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

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.

WO 03/058497 A2

(54) Title: INTEGRATED GAS SUPPLY SYSTEM AND COMPUTER NETWORK FOR ENHANCED USER SERVICE

(57) Abstract: The present invention generally describes a system and method for the integration of a gas supply system and a computer network which comprises a plurality of disparate computer systems and databases to provide an integrated system that may be searched via a web browser. An interaction manager is provided that is capable of communicating with the web browsers through a web server. The interaction manager comprises a library of compiled system component interface files which permits communication through the underlying computer architecture of each individual computer system and database. The interaction manager utilizes a JavaScript processor to generate JavaScript related to the library of compiled component interface files. Client side JavaScript generates a dynamic screed for the web browser users that may be utilized for interfacing server side JavaScript to thereby communicate with the computer systems and databases.