

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 June 2007 (28.06.2007)

PCT

(10) International Publication Number
WO 2007/073531 A1

(51) International Patent Classification:
F01N 7/08 (2006.01)

(74) Agent: **DEAVER, Albert, B. JR.**; 3400 JPMorgan Chase Tower, 600 Travis Street, Houston, TX 77002 (US).

(21) International Application Number:
PCT/US2006/061798

(22) International Filing Date:
8 December 2006 (08.12.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/751,459 19 December 2005 (19.12.2005) US
11/307,712 17 February 2006 (17.02.2006) US

(71) Applicant (for all designated States except US): **L.C. ELDRIDGE SALES CO., LTD.** [US/US]; 9800 Richmond Avenue, Suite 325, Houston, TX 77042 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LESEMAN, Gary, Thelen** [US/US]; 9800 Richmond Avenue, Suite 325, Houston, TX 77042 (US). **DAVIS, Joseph, Byron** [US/US]; 9800 Richmond Avenue, Suite 325, Houston, TX 77042 (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, CO, CR, CU, CZ, DE, DK, DM, 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, LV, LY, MA, MD, 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, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

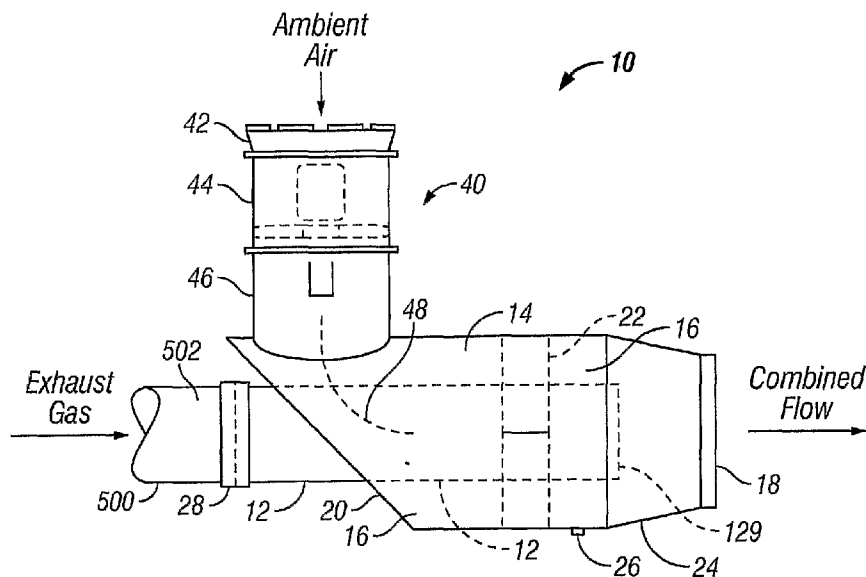
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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).

Published:

— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MANIPULATING AND DILUTING INTERNAL COMBUSTION EXHAUST GASES



(57) Abstract: A system for manipulating engine exhaust gases away from inhabited areas comprises an air pressurization system (40) coupled in fluid communication to a housing (14). The housing is adapted to reside adjacent a terminal portion of an exhaust pipe (12) so that pressurized air injected into the housing entrains the exhaust gases and disperses them from the housing.

WO 2007/073531 A1



-
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- 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.*