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(21) International application number: PCT/FR99/00126 (22) International filing date: 22 January 1999 (22.01.99) (30) Data relating to the priority: 98/00877 22 January 1998 (22.01.98) FR (71)(72) Applicant and Inventor: NEGRE, Guy [FR/FR]; Quartier de Paris, Route du Val, F-83170 Brignoles (FR). (72) Inventor; and (75) Inventor/Applicant (US only): NEGRE, Cyril [FR/FR]; Quartier de Paris, Route du Val, F-83170 Brignoles (FR).		(81) Designated states: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With the International Search Report. Before expiry of the period provided for amending the claims, will be republished if such amendments are received.

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(54) Title: METHOD AND DEVICE FOR ADDITIONAL THERMAL HEATING FOR MOTOR VEHICLE EQUIPPED WITH POLLUTION-FREE ENGINE WITH ADDITIONAL COMPRESSED AIR INJECTION

(54) Titre: PROCEDE ET DISPOSITIF DE RECHAUFFAGE THERMIQUE ADDITIONNEL POUR VEHICULE EQUIPE DE MOTEUR DEPOLLUE A INJECTION D'AIR COMPRI ME ADDITIONNEL

(57) Abstract

The invention concerns a method for additional thermal heating for motor vehicle equipped with pollution-free engine operating with additional compressed air injection into the combustion chamber (2) and having a high pressure compressed air storage reservoir (23). The high pressure compressed air contained in the reservoir is previously to its final use at a lower pressure, directed towards a thermal heater (56) to increase its pressure and/or volume before it is injected into the combustion or expansion chamber (2). The invention is applicable to all engines equipped with compressed air injection.

(57) Abrégé

Procédé de réchauffage thermique additionnel pour véhicule équipé de moteur dépollué fonctionnant avec une injection d'air comprimé additionnel dans la chambre de combustion (2) et ayant un réservoir de stockage d'air comprimé haute pression (23). L'air comprimé haute pression contenu dans le réservoir est préalablement à son utilisation finale à pression inférieure, dirigé vers un réchauffeur thermique (56) pour permettre d'augmenter sa pression et/ou son volume avant son injection dans la chambre de combustion ou d'expansion (2). Application à tous moteurs équipés d'injection d'air comprimé.

