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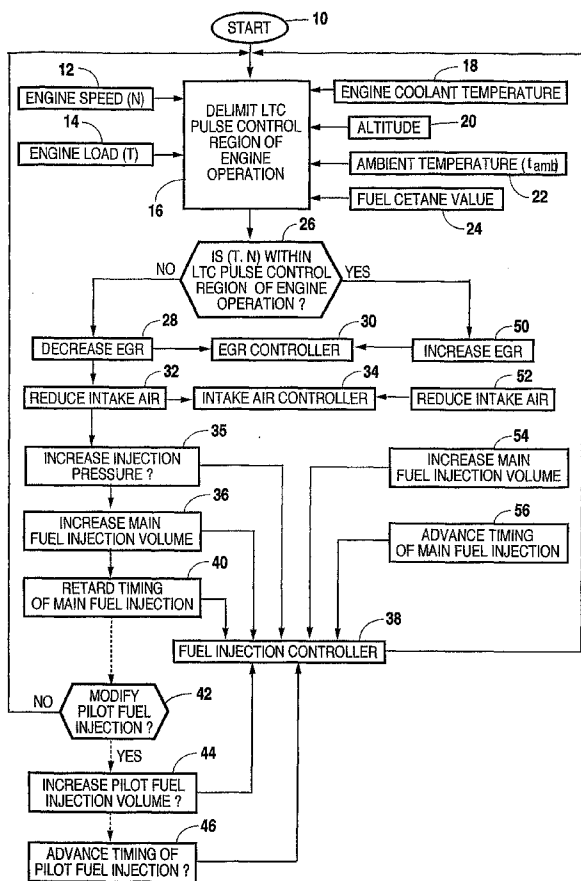
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(54) Title: METHOD FOR RICH PULSE CONTROL OF DIESEL ENGINES



(57) Abstract: A combustion control method (10) for the rich pulse control of Diesel engines with lean NOx trap systems includes identifying areas within a Diesel engine operating regime (26) in which reduced recirculated exhaust gas and air with increased pre-mixed combustion is effective in providing fuel rich combustion (28), and a second, lower load, region in which low temperature combustion is particularly desirable (50).

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A. CLASSIFICATION OF SUBJECT MATTER
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USPC: 123/299,443;60/301;701/103
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,657,625 A (KOGA et al) 19 August 1997 (19.08.1997), see whole document.	1-4
A	US 2005/0241296 A1 (MCCABE et al) 3 November 2005 (03.11.2005), see whole document.	1-4
A	US 2005/0222748 A1 (NAIK et al) 6 October 2005 (06.10.2005), see the whole document.	1-4
A	US 2003/0213232 A1 (BRISLEY et al) 20 November 2003 (20.11.2003), see whole document.	1-4
A	US 6,907,862 B2 (KITAHARA) 21 June 2005 (21.06.2005), see whole document.	1-4

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