

Title (en)

METHOD FOR DETECTING FAILED COMBUSTION IN AN INTERNAL COMBUSTION ENGINE BY A COMBINATION OF COMBUSTION IRREGULARITY INDICES

Title (de)

VERFAHREN ZUM ERKENNEN EINER NICHTERFOLGTEN VERBRENNUNG IN EINEM VERBRENNUNGSMOTOR DURCH EINE KOMBINATION VON VERBRENNUNGSIIRREGULARITÄTSINDIZES

Title (fr)

PROCEDE DE DETECTION DE RATES DE COMBUSTION DANS UN MOTEUR A COMBUSTION INTERNE PAR COMBINAISON D'INDICES D'IRREGULARITE DE COMBUSTION

Publication

**EP 1595125 A1 20051116 (FR)**

Application

**EP 04710015 A 20040211**

Priority

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Abstract (en)

[origin: FR2851611A1] The method involves calculating a current value of an index representative of irregularities of engine running at a time (t). Current value of observation function E(t) at the same time is calculated from the current value of the index. The current value of E(t) is compared with a predetermined threshold value. Combustion false start of the engine is detected when the current value of E(t) exceeds the threshold value. Index is calculated from linear combination of elementary indexes, each index representing running irregularities of engine. Each elementary index is multiplied by predetermined coefficient obtained from similar running conditions on reference engine.

IPC 1-7

**G01M 15/00**

IPC 8 full level

**G01M 15/11** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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