

Title (en)

System and method for automatic recognition of the operating state of a vehicle engine

Title (de)

System und Verfahren zur automatischen Erkennung des Betriebsstatus eines Fahrzeugmotors

Title (fr)

Système et procédé pour la reconnaissance automatique de l'état opérationnel d'un moteur de véhicule

Publication

EP 1978490 A1 20081008 (EN)

Application

EP 07425194 A 20070402

Priority

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Abstract (en)

A description is given of a system and a method for the recognition of the operating state of a vehicle engine, based on the detection of an acoustic noise signal, and possibly a vibration signal, propagated in a compartment of the vehicle, and on the comparison of a descriptor vector of the detected signals, comprising at least data indicative of the frequency and energy components of the signals, with a plurality of reference descriptor vectors indicative of known operating conditions, acquired in a learning phase, in such a way as to discriminate and recognize a first class of signals indicative of an operating condition and a second class of signals indicative of an inoperative condition of the vehicle engine.

IPC 8 full level

G07C 5/00 (2006.01)

CPC (source: EP)

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Citation (search report)

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