

Title (en)

STRATEGY FOR FUELING A DIESEL ENGINE BY SELECTIVE USE OF FUELING MAPS TO EXTEND RANGE OF HCCI COMBUSTION

Title (de)

STRATEGIE ZUR KRAFTSTOFFZUFUHR FÜR EINEN DIESELMOTOR DURCH GEZIELTE VERWENDUNG VON TANKKENNFELDERN ZUR AUSWEITUNG DES HCCI-VERBRENNUNGSBEREICHES

Title (fr)

STRATEGIE D'ALIMENTATION D'UN MOTEUR DIESEL PAR UTILISATION SELECTIVE DE SCHEMAS ETENDANT LES POSSIBILITES DE LA COMBUSTION HCCI

Publication

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Application

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Abstract (en)

[origin: WO2006009693A2] A compression ignition engine (60) has a control system (66) for processing data, one or more combustion chambers (62), and fuel injectors (64) for injecting fuel into the chambers. In a first embodiment, the control system controls fueling by processing engine speed and load, to select one of three fueling modes (HCCI+RVT, HCCI+VVT, and CD+RVT) for operating the engine (Figure 1). In a second embodiment, one of four modes (HCCI+RVT, HCCI+IVC, HCCI+IVC+EVC, and CD+RVT) is selected (Figure 5). The invention extends the range for using HCCI combustion.

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Citation (search report)

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