

Title (en)

METHOD AND DEVICE FOR CONTINUOUSLY CONDUCTING A FUEL PREPARATION PROCESS, ESPECIALLY FOR A DIESEL ENGINE, BY MIXING THE CONSTITUENTS THEREOF ON-LINE

Title (de)

VERFAHREN UND EINRICHTUNG ZUR KONTINUIERLICHEN DURCHFÜHRUNG EINES BRENNSTOFFVORBEREITUNGSPROZESSES INSBESONDERE FÜR EINEN DIESELMOTOR DURCH MISCHEN SEINER BESTANDTEILE ONLINE

Title (fr)

PROCEDE ET DISPOSITIF POUR LA CONDUITE EN CONTINU D'UN PROCESSUS DE PREPARATION D'UN CARBURANT, NOTAMMENT POUR MOTEUR DIESEL, PAR MELANGE EN LIGNE DE SES CONSTITUANTS

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Application

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Abstract (en)

[origin: WO2004029592A1] According to said method, a mixer (1) is continuously provided with at least two constituents (2-3) at controlled rates of delivery (2a-3a). According to the invention, a portion of the UV spectrum absorbed by the fuel thus prepared is measured on-line with the aid of a UV spectrometer (4) downstream from the mixer(1); the amount of polycyclic aromatic hydrocarbons in said fuel is quantitatively determined by mathematical treatment of the measured intensities; the difference between said amount and at least one set-point value is calculated; and said information is reconfigured in the form of electric signals (5-6) in order to control functional parameters such as supply rates for various constituents (2a-3a) as a function of the result thus obtained in order to cancel out the difference between the measured value and the set-point value.

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