

Title (en)

AUTO-IGNITION CONTROL METHOD OF AN INTERNAL COMBUSTION ENGINE

Title (de)

AUTOENTZÜNDUNG STEUERVERFAHREN EINER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ DE COMMANDE DE AUTO-ALLUMAGE D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3347580 B1 20190904 (EN)

Application

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Priority

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Abstract (en)

[origin: WO2017041833A1] The present invention is directed to a method of enhanced combustion of hydrocarbon fuel by oxygen in an internal combustion engine wherein: - both oxidiser and a hydrocarbon fuel are introduced into the combustion chamber of an internal combustion engine; - optical energy is provided in the combustion chamber to the oxidiser- fuel mixture and/or reaction products of oxidiser/fuel mixing, using irradiation at one or more wavelengths greater than 200 nm and less than 310 nm and/or at wavelengths of at least 345 nm and at most 365 nm. Combustion apparatus that can be used in such a method of enhanced combustion is also described.

IPC 8 full level

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