

Title (en)

IGNITION SYSTEM FOR STRATIFIED FUEL MIXTURES

Title (de)

ZÜNDSYSTEM FÜR SCHICHTLADUNG

Title (fr)

SYSTEME D'ALLUMAGE POUR MELANGES DE CARBURANTS STRATIFIES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0120162A1] Systems and methods for igniting fuel in a combustion chamber of an internal combustion engine having at least one combustion chamber utilizing a traveling spark ignitor having at least two electrodes are disclosed. The ignitor is arranged in the combustion chamber such that ends of electrodes are substantially flush with walls of the at least one combustion chamber. A first voltage is provided between the electrodes to cause an initial breakdown of a gaseous air/fuel mixture present between the electrodes and, later, a follow-on current that travels between the electrodes after the initial breakdown is provided.

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