

Title (en)

METHOD AND DEVICE FOR PLASMA REFORMATION OF FUEL FOR POWER PLANT APPLICATIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PLASMA-REFORMIERUNG VON BRENNSTOFF FÜR TRIEBWERKSANWENDUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LE REFORMAGE ASSISTÉ PAR PLASMA DE CARBURANT DESTINÉS À ÊTRE UTILISÉS DANS DES MOTEURS

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Application

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Abstract (en)

[origin: WO2009062485A1] The invention relates to a method for plasma reformation of fuel, in particular kerosene, with the following steps: introduction of fuel through a line to the inlet of an expansion nozzle, introduction of energy from an energy source through a hollow waveguide to generate a plasma state in the expansion nozzle, injection of further fuel through nozzles into the existing plasma flame, in order to decompose the fuel in the heat to components such as CO, C and H and expansion of the plasma flame at high speed into the combustion chamber.

IPC 8 full level

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