

Title (en)

REFORMER FOR A FUEL CELL SYSTEM AND METHOD FOR OPERATING SAID REFORMER

Title (de)

REFORMER FÜR EIN BRENNSTOFFZELLENSYSTEM UND VERFAHREN ZUM BETREIBEN EINES REFORMERS

Title (fr)

REFORMEUR DESTINÉ À UN SYSTÈME DE CELLULES ÉLECTROCHIMIQUES ET PROCÉDÉ D'UTILISATION D'UN REFORMEUR

Publication

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Application

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Abstract (en)

[origin: CA2657502A1] The invention relates to a reformer (12) for a fuel cell system (10). Said reformer comprises an oxidation zone (48) to which stored fuel can be supplied by means of a primary fuel supply device (50; 62) for reaction with an oxidant; and a mixing zone (54), arranged downstream of the oxidation zone (48), to which stored fuel can be supplied by means of a secondary fuel supply device (56; 64) for mixing with substances originating from the oxidation zone (48). The invention is characterized in that the primary fuel supply device (50; 62) and the secondary fuel supply device (56; 64) are adapted to supply fuel in such a manner that the fuel supplied by the primary fuel supply device (50; 62) differs from the fuel supplied by the secondary fuel supply device (56; 64) with respect to the type of fuel and/or its state of aggregation and/or the pressure and/or the temperature at which it is supplied. The invention also relates to a fuel cell system comprising said reformer, to a motor vehicle comprising said fuel cell system and to a method for operating said reformer (12).

IPC 8 full level

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