

ABSTRACT

REFORMED GAS CONSUMING PLANT AND SOURCE GAS REFORMING METHOD

5 A plant that consumes a reformed gas obtained by reforming a source gas including at least methane and carbon dioxide includes: a reforming device that includes a reforming catalyst for reforming the source gas and an electric power supply member for supplying electric power to the reforming catalyst and that supplies electric power to the reforming catalyst to reform the source gas; and a reformed gas consuming apparatus that consumes the
10 reformed gas. A reaction temperature of a reforming reaction of the source gas in the reforming device can be adjusted by adjusting a supply amount of a heating medium including exhaust heat generated due to consumption of the reformed gas in the reformed gas consuming apparatus to the reforming device when heat exchange between the source gas and the heat medium is performed in the reforming gas.

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(FIG. 1)