Description

Title of Invention

CHEMICAL REACTION METHOD AND CHEMICAL REACTION DEVICE

Technical Field

[0001]

The present invention relates to a chemical reaction device and a chemical reaction method each causing a chemical reaction for obtaining a product from a source material gas to proceed in a gaseous phase with use of a catalyst.

Background Art

[0002]

Patent Literature 1 discloses a method of causing a source material gas, which contains hydrogen and carbon monoxide or carbon dioxide as main components, to react in the presence of a catalyst to synthesize methanol. In the method, methanol liquefied on a cooling surface is taken out of a reaction system so that the reaction of methanol proceeds beyond an equilibrium conversion rate.

[0003]

In the invention disclosed in Patent Literature 1, in an exothermic reaction such as methanol synthesis, both