

## ABSTRACT

## REACTOR

A reactor has a heat exchanging body including therein a heat medium flow channel in which heat medium flows, and a reaction flow channel in which a reaction fluid flows, to exchange heat between the heat medium and the reaction fluid. A heat transfer promoter is provided in the heat medium flow channel and comes in close contact with the heat exchanging body to promote heat transfer between the heat medium and the heat exchanging body. The heat transfer promoter is an assembly of partial heat transfer promoters of a plurality of types. Replacing the partial heat transfer promoter with another type one, temperature distribution in the heat exchanging body is adjusted.

FIG.6