

ABSTRACT OF THE DISCLOSURE**REACTION METHOD BY USING HETEROGENEOUS CATALYST AND REACTION APPARATUS THEREFOR**

When carrying out a liquid-phase reaction by using a heterogeneous catalyst, the separation of the heterogeneous catalyst and the reaction liquid is carried out certainly and effectively. A reaction method involves carrying out a reaction in liquid phase by using a heterogeneous catalyst particle 30 in a reactor 10, and comprises the steps of: (a) allowing a reaction liquid 40 supplied into the reactor 10 from such as a supplying inlet 12 to react in the presence of the heterogeneous catalyst particle 30, and (b) passing the resultant reaction liquid 40 containing the heterogeneous catalyst particle 30 through a line screen 20 having an opening width where the heterogeneous catalyst particle 30 is not allowed to pass substantially, and then extracting the reaction liquid 40 separated from the heterogeneous catalyst particle 30 from the reactor 10 by way of such as an extracting outlet 14.

(FIGURE 1a IS SUGGESTED FOR PUBLICATION)