

Abstract

This application relates to the field of automatic control technology, specifically to a control device, method, machine-readable storage medium, and computer program product for a reactor. The automatic control method for the reactor includes: obtaining the multi-level relevant parameters of the reactor; controlling the values of the parameters of each level according to the transfer functions between the multi-level relevant parameters from level to level, so that the specified parameters are within the preset range. The automatic control method for the reactor of the present invention can achieve the dynamic process adjustment and optimization of the multi-level variables of the reactor and, at the same time, achieve the stable operation of the reactor.

Fig. 1