Monitoring, control and/or regulation of reactions of a fluid reaction mixture in a reactor having thermoplates

Abstract

A process is proposed for monitoring, controlling and/or regulating reactions of a fluid reaction mixture in the presence of a heterogeneous particulate catalyst, in a reactor having two or more thermoplates (1) arranged vertically and parallel to each other while in each case leaving a gap (2), the heterogeneous particulate catalyst being installed in the gaps (2) and the fluid reaction mixture being passed through the gaps (2), which comprises selecting as a regulation signal the temperature which is determined in one or more gaps (2), at two or more measurement points which are distributed over the height of each gap (2).

Fig. 5