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(54) Title: METHODS FOR OPERATING CONTINUOUS, UNMODULATED, MULTIPLE CATALYTIC STEP PROCESSES

(57) Abstract: Control methods are disclosed for continuous, unmodulated, multiple catalytic conversion step processes using at least two catalysts, a first catalyst and a second catalyst, that accommodate changes in the performance of each catalyst and the relative performances of the catalysts. In the methods, certain process parameters are used in a manner that is indicative of changes in catalyst performance, and the control methods provide for adjustment of at least one of: the absolute amount of catalytically active species and relative amounts of each of the first catalyst and second catalyst and at least one of the rate of feed or concentration of the raw material to the reaction zone.



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