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(54) Title: USE OF HIGH FLUORIDE-CONTAINING CATALYST IN FRONT REACTORS TO EXTEND THE LIFE AND SELECTIVITY OF REFORMING CATALYST

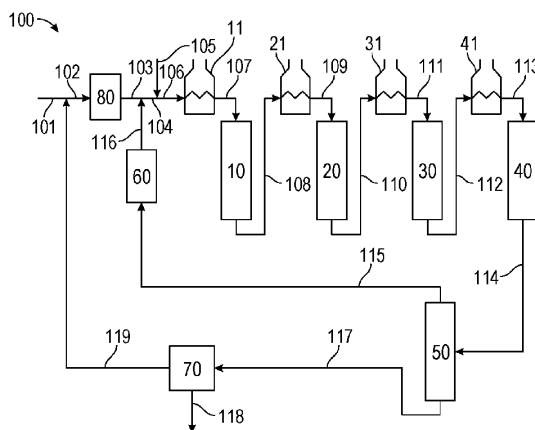


FIG. 1

(57) Abstract: This disclosure provides processes for reforming hydrocarbons by using a series of adiabatic reactors and catalysts, in which the catalyst(s) in at least one front or upstream catalyst bed or reactor includes a higher fluoride concentration, higher chloride concentration, or both than the respective halide concentrations in the catalysts in one or more downstream catalyst beds or reactors, which has been unexpectedly discovered to extend the useful life and/or the selectivity of the catalyst system.

[Continued on next page]

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