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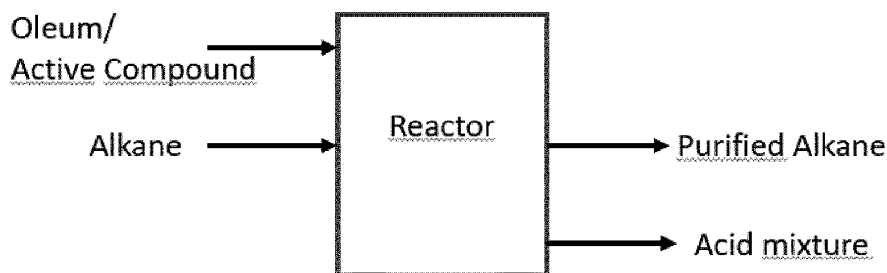
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(54) Title: METHOD FOR THE PURIFICATION OF ALKANES

Fig. 1



**Batch or Continuous Reactor or Reactor-Cascade
with or without recirculation of gas suitable for gas-mixing.**

(57) **Abstract:** The present invention relates to a method for the purification of alkanes, especially methane, wherein an alkane comprising impurities, especially methane, is reacted with an active compound, optionally in the presence of sulfur trioxide, whereby the impurities are removed. The present invention furthermore relates to the use of the active compound and sulfur trioxide in the purification of alkanes, especially methane.



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