PROCESS FOR THE PREPARATION OF ALKENE OXIDES FROM ALKENES

ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for the catalytic partial oxidation of hydrocarbons. This process comprises passing a reaction mixture comprising hydrocarbons, oxygen, and at least one reducing agent, through a catalyst-containing layer to partially oxidize the hydrocarbon, and adsorbing the partially oxidized hydrocarbon in a downstream adsorbent-containing layer.

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Figure 1