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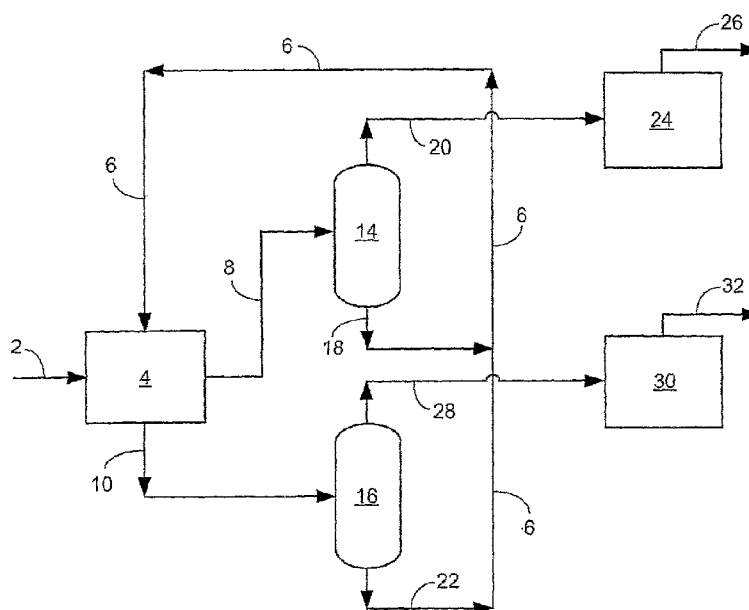
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(54) Title: ETHYLENE PRODUCTION BY STEAM CRACKING OF NORMAL PARAFFINS



(57) Abstract: An adsorptive separation process for preparing the separate feed streams charged to naphtha reforming unit and a steam cracking unit has been developed. The feed stream to the overall unit is passed into the adsorptive separation unit (4). The desorbent in the adsorptive separation is selected from the group consisting of hydrocarbons having from 10 to 16 carbon atoms and mixtures thereof. The adsorptive separation separates the components of the feed stream into a normal paraffin stream (8), which is charged to the steam cracking process (24), and non-normal hydrocarbons (10) which are passed into a reforming zone (30). The desorbent is readily separated from the normal paraffin stream (14) and from the non-normal paraffin stream (16).

WO 2006/098895 A2



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