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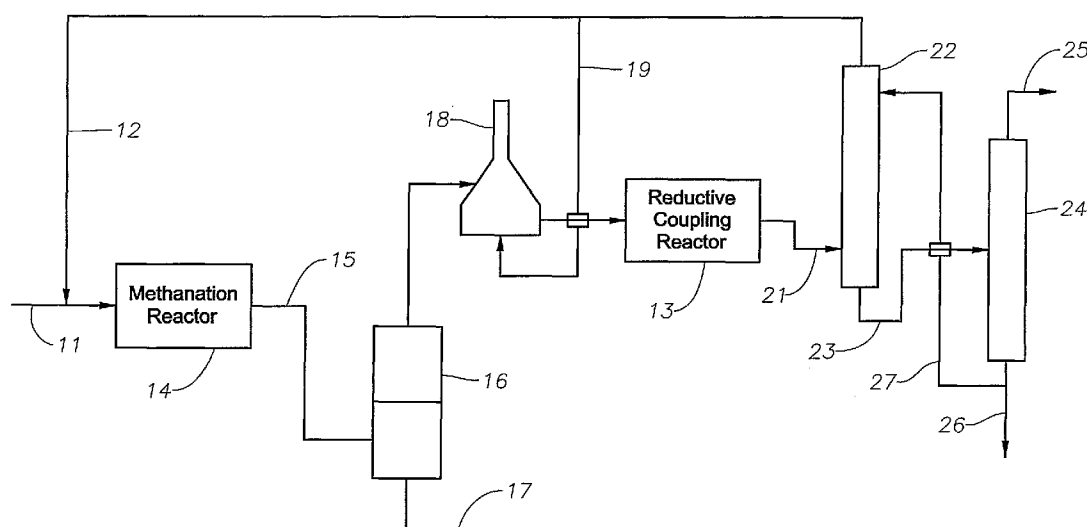
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(54) Title: PRODUCTION OF ALKYLATED AROMATIC HYDROCARBONS FROM METHANE



(57) Abstract: In a process for converting methane to alkylated aromatic hydrocarbons, a feed containing methane is contacted with a dehydrocyclization catalyst under conditions effective to convert said methane to aromatic hydrocarbons and produce a first effluent stream comprising aromatic hydrocarbons and hydrogen. At least a portion of said aromatic hydrocarbon from said first effluent stream is then contacted with an alkylating agent under conditions effective to alkylate said aromatic hydrocarbon and produce an alkylated aromatic hydrocarbon having more alkyl side chains than said aromatic hydrocarbon prior to the alkylating.

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