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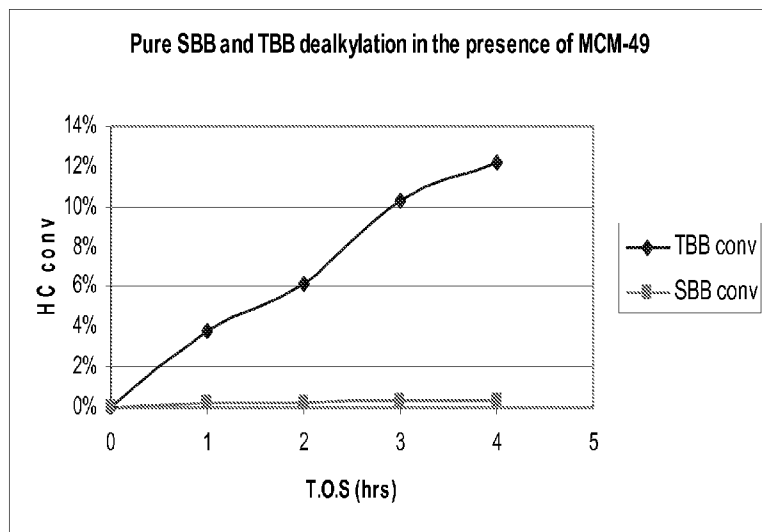
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(54) Title: PROCESS FOR PRODUCING PHENOL AND METHYL ETHYL KETONE

Figure 1



(57) Abstract: In a process for reducing the level of tert-butylbenzene in a mixed butylbenzene feed comprising tert-butylbenzene and sec-butylbenzene, the feed is contacted under dealkylation conditions with a catalyst system comprising a dealkylation catalyst whereby the tert-butylbenzene is selectively dealkylated to produce an effluent stream which comprises benzene and which has a lower concentration of tert-butylbenzene than said feed.



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