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(54) Title: PROCESS FOR THE ALKYLATION OF BENZENE WITH ETHANOL OR A MIXTURE OF ETHANOL AND ETHYLENE

(57) Abstract: The invention relates to a process for the alkylation of benzene with ethanol, as alkylating agent, or mixtures of ethanol and ethylene, which comprises effecting said reaction in gaseous phase or mixed gas- liquid phase, and in the presence of a catalytic system containing a zeolite belonging to the MTW family. According to a preferred aspect, ethanol obtained from biomasses is used, in particular obtained from the fermentation of sugars deriving from biomasses.