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REFORMING OF ETHANOL IN PLASMA-CATALYTIC SYSTEM WITH QUARTZ REACTION CHAMBER

Plasma-catalytic reforming of ethanol was investigated in a quartz reaction chamber. The composition of the reforming products was measured using mass spectrometry and gas chromatography. Results show that plasma-catalytic reforming can take place at significantly lower temperatures than traditional reforming. Emission spectra of plasma were investigated during plasma-catalytic reforming of ethanol in quartz reaction chamber. Oscillograms of the voltage and current of the rotating gliding discharge were investigated.

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