

PLASMA CONVERSION OF ETHANOL-WATER
MIXTURE TO SYNTHESIS GAS

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S u m m a r y

We present the results of investigations of the ethanol conversion in a electric discharge in a gas channel with liquid wall (DGCLW). The parameters of the discharge in the liquid-wall gas channel are studied. The stable gas-phase products of the conversion are determined by using the mass-spectrometric technique and gas chromatography. The energy consumption in the conversion of ethanol to synthesis-gas is determined.