

Title (en)

PROCESS AND APPARATUS FOR THE FABRICATION OF OLEFINS AND DIOLEFINS BY STEAM CRACKING OF HYDROCARBONS,
CONTROLLED BY A SYSTEM COMPRISING AN INFRARED SPECTROPHOTOMETER

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Application

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Abstract (en)

[origin: US5082985A] The present invention relates to a process and an apparatus for steam cracking a mixture of hydrocarbons comprising passing steam and the mixture of hydrocarbons through at least one heated cracking tube. The process is characterised in that it is controlled by analyzing the mixture of hydrocarbons fed to the cracking tube with an infrared spectrophotometer to determine the absorbances at a number n of wavelengths in the range 0.8 to 2.6 microns and by using the results of this absorbance to determine one or more values V of steam cracking process conditions which will achieve a desired value P of the space time yield of one or more products of the steam cracking reaction.

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IPC 8 full level

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