

Title (en)

METHOD AND DEVICE FOR PRODUCING ETHYLENICALLY UNSATURATED HALOGENATED HYDROCARBONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ETHYLENISCH UNGESÄTTIGTEN HALOGENIERTEN KOHLENWASSERSTOFFEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR PRÉPARER DES HYDROCARBURES HALOGÉNÉS ÉTHYLÉNIQUEMENT INSATURÉS

Publication

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Application

EP 09778302 A 20090903

Priority

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Abstract (en)

[origin: WO2010034395A1] The invention relates to a method and a device for saving fuel used in furnaces for thermally cracking halogenated aliphatic hydrocarbons, especially 1,2-dichloroethane, using chemical cracking promoters or physical measures initiating the cracking reaction. The temperature level in the reaction mixture is reduced by initiating the cracking reaction while the conversion percentage remains the same. In this way, the average furnace chamber temperature can be reduced and fuel can be saved. In a preferred embodiment of the method, the flue gas exhausted from the convection zone of the cracking furnace is analyzed and the dew point thereof is calculated. The dew point of the flue gas or the conversion percentage of the cracking reaction is used as the reference value for the intensity of the physical measure for initiation and/or for the quantity of the chemical cracking promoter to be added and/or for the fuel quantity. In a second preferred embodiment of the method, the latent heat content of the fuel gas is used to preheat the burner air or other media.

IPC 8 full level

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Citation (search report)

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