

Title (en)

Apparatus for the thermal cracking of a mixture of liquid and gaseous hydrocarbons

Title (de)

Vorrichtung zum thermischen Spalten eines Gemisches mit flüssigen und gasförmigen Kohlenwasserstoffen

Title (fr)

Installation pour le craquage thermique d'un mélange d'hydrocarbures liquides et gazeuses

Publication

**EP 0609191 B1 19980729 (DE)**

Application

**EP 94890007 A 19940114**

Priority

AT 13793 A 19930127

Abstract (en)

[origin: EP0609191A1] In an apparatus for the thermal cracking of a mixture of liquid and gaseous hydrocarbons, at least one pipe (R3) for the mixture leads into a heat exchanger (W1) which is connected, if appropriate, for fluid conduction to a pipe (R4) leading out of the heat exchanger via a by-pass line with a controllable isolation valve (V1) in the through-flow, the pipe (R4), which leads out of the heat exchanger (W1) and into which at least one further pipe (D1) for superheated steam leads, leads in turn into a further heat exchanger (W2) whose outlet line (R5) leads into a downstream heat exchanger (S), if appropriate with a catalyst, whose outlet line (R6) leads into a cooling and separation device (K+A), at least one gas separator for separating off a gaseous fraction from the mixture being provided upstream of the heat exchanger (W1), as viewed in the direction of flow, and the by-pass line, being a gas line (G1) which has a controllable isolation valve (V1) in the through-flow and leads out of the gas separator (G) into a further heat exchanger (W2, S, D), in particular via the further pipe (R4). <IMAGE>

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