

Title (en)

Process and apparatus for homogenisation in a tubular hydrocarbon cracking reactor with fluid solid particles, of the mixture of these particles and the hydrocarbon gases to be treated.

Title (de)

Verfahren und Einrichtung für Homogenisierung in ein röhrenförmige Kohlenwasserstoff-Krackreaktor mit Wirbelbett von feste Teilchen, von das Gemisch von diese Teilchen und die zu behandeln Kohlenwasserstoffen.

Title (fr)

Procédé et dispositif d'homogénéisation, à l'intérieur d'un réacteur tubulaire de craquage d'hydrocarbures à lit de particules solides fluidisées, du mélange de ces particules et des vapeurs d'hydrocarbures à traiter.

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Application

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Abstract (en)

[origin: EP0485259A1] Process for the homogenisation, inside a tubular hydrocarbon cracking reactor (1) containing a bed of fluidised hot solid particles, of the mixture of these particles and of the hydrocarbon vapour to be treated. According to the invention, a fluid is injected in the gaseous state into the said reactor (1) in at least one place on the internal face of its side wall, immediately downstream of the injection zone, into the reaction zone of the feedstock to be treated, where at least 75 % of the feedstock droplets are vaporised. <IMAGE>

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IPC 8 full level

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Cited by

EP0911379A1; FR2770225A1; US6126813A; US6447671B1; WO2013057389A1; WO2014096602A1; WO2013083883A1; WO2014096704A1; WO2014096703A1

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