

Title (en)

HYDROCARBON VAPOCRACKING INSTALLATION WITH RECYCLING OF EROSION SOLID PARTICLES.

Title (de)

VORRICHTUNG ZUM DAMPFKRACKEN VON KOHLENWASSERSTOFFEN MIT RÜCKFÜHRUNG VON EROSIVEN FESTSTOFFPARTIKELN.

Title (fr)

INSTALLATION DE VAPOCRAQUAGE D'HYDROCARBURES, A RECYCLAGE DE PARTICULES SOLIDES EROSIVES.

Publication

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Application

**EP 90914930 A 19901005**

Priority

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Abstract (en)

[origin: US5183642A] PCT No. PCT/FR90/00711 Sec. 371 Date May 30, 1991 Sec. 102(e) Date May 30, 1991 PCT Filed Oct. 5, 1990 PCT Pub. No. WO91/05031 PCT Pub. Date Apr. 18, 1991. An installation for steam cracking hydrocarbons comprises at least one hydrocarbon cracking furnace, an indirect quench heat exchanger for the effluents leaving the furnace, direct quench means for said effluent, and means (36, 38) for injecting erosive solid particles into the installation for decoking purposes. The installation also includes a cyclone (10) placed at the outlet from the indirect quench heat exchanger to separate the solid particles from the gaseous effluent, with the solid particle outlet (14) from said cyclone being connected to storage tanks (20, 30) connected in series with isolating valves (16, 28, 34), a source (38) of gas under pressure being provided to raise the pressure in one of the tanks and to inject the solid particles into the installation.

IPC 1-7

**C10G 9/20**; **C10G 9/26**

IPC 8 full level

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