

Title (en)

PROCESS AND APPARATUS FOR THE THERMAL DECOKING OF AN APPARATUS FOR THE THERMAL CRACKING OF HYDROCARBONS  
SUCH APPARATUS COMPRISING A CRACKING ZONE FOLLOWED BY A COOLER FOR THE PRODUCT GAS

Publication

**EP 0021167 B1 19820303 (DE)**

Application

**EP 80103123 A 19800604**

Priority

- DE 2923326 A 19790608
- DE 2934570 A 19790827

Abstract (en)

[origin: US4376694A] A method of decoking (decarbonizing) surfaces of a cracking plant in which the cracking furnace is connected to a heat exchanger for cooling the cracked gas mixture, in which steam and air are admitted as a gas mixture to the cracking furnace and then the gas mixture is conducted through the cooler. The cooling medium is thus passed through the cracking gas cooler during the decoking operation while in a first stage the mixture is fed through the device at such a mass flow rate that the temperature of the deposits on the heat exchange surface is approximately at the temperature corresponding to cracking operations while, in a second stage, the gas flow rate is increased to raise the temperature of the deposits on the heat exchange surfaces of the cooler.

IPC 1-7

**C10G 9/16**

IPC 8 full level

**C10G 9/16** (2006.01)

CPC (source: EP US)

**C10G 9/16** (2013.01 - EP US); **Y10S 585/95** (2013.01 - EP US)

Cited by

EP2048217A3; FR2711374A1; EP0591856A1; EP0143486A3; EP0036151A1; EP2048217A2

Designated contracting state (EPC)

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**EP 80103123 A 19800604**; DE 3060219 T 19800604; IN 863CA1980 A 19800728; US 28134481 A 19810708