

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

FR2711374A1; EP2048217A3; EP0591856A1; EP0143486A3; EP0036151A1; EP2048217A2

Designated contracting state (EPC)

AT BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0021167 A1 19810107; EP 0021167 B1 19820303; DE 3060219 D1 19820401; IN 153444 B 19840714; US 4376694 A 19830315

DOCDB simple family (application)

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