

Title (en)

OPTIMIZATION OF STEAM CRACKING FURNACES FOR LIGHT FEEDSTOCKS CONTAINING HIGH BOILING COMPONENTS

Title (de)

OPTIMIERUNG VON DAMPF-CRACKÖFEN FÜR LEICHTROHSTOFFE MIT HOCHSIEDENDEN KOMPONENTEN

Title (fr)

OPTIMISATION DE FOURS DE VAPOCRAQUAGE POUR DES CHARGES LÉGÈRES CONTENANT DES CONSTITUANTS À HAUT POINT D'ÉBULLITION

Publication

**EP 4281518 A1 20231129 (EN)**

Application

**EP 21816537 A 20211122**

Priority

- US 202163139445 P 20210120
- IB 2021060829 W 20211122

Abstract (en)

[origin: WO2022157569A1] A system and a method for steam cracking hydrocarbons are disclosed. The system includes a steam cracking system comprising a first steam cracking furnace and a second steam cracking furnace. A hydrocarbon feed stream is fed into a convection section of a first steam cracking furnace. The preheated feed stream is mixed with steam and then separated into a light vapor stream and a heavy stream in a vapor-liquid separation unit. The light vapor stream is further steam cracked in a radiant section of the first steam cracking furnace. The heavy stream is further heated and steam cracked in the second steam cracking furnace.

IPC 8 full level

**C10G 9/36** (2006.01); **C10G 51/02** (2006.01)

CPC (source: EP US)

**C10G 9/36** (2013.01 - EP); **C10G 51/023** (2013.01 - EP); **C10G 55/04** (2013.01 - US); **C10G 2300/1044** (2013.01 - US); **C10G 2300/1081** (2013.01 - US); **C10G 2300/1096** (2013.01 - US); **C10G 2300/4006** (2013.01 - US); **C10G 2300/4012** (2013.01 - US); **C10G 2300/4018** (2013.01 - US); **C10G 2300/802** (2013.01 - US)

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