Title (en)

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

Title (de)

OPTIMIERUNG VON DAMPFCRACKÖFEN 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

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- 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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