Title (en)

PROCESSES AND SYSTEMS FOR STEAM CRACKING HYDROCARBON FEEDS

Title (de)

VERFAHREN UND SYSTEME ZUM DAMPFKRACKEN VON KOHLENWASSERSTOFFEINSÄTZEN

Title (fr)

PROCÉDÉS ET SYSTÈMES DE VAPOCRAQUAGE DE CHARGES HYDROCARBONÉES

Publication

EP 4326835 A1 20240228 (EN)

Application

EP 22723250 A 20220404

Priority

- US 202163176423 P 20210419
- US 2022023235 W 20220404

Abstract (en)

[origin: WO2022225691A1] Processes and systems for steam cracking hydrocarbon feeds. The process can include introducing a first hydrocarbon feed into radiant coil(s) disposed within a first segment of a firebox to produce a first steam cracker effluent having a first coil outlet temperature. A second hydrocarbon feed can be introduced into radiant coil(s) disposed within a second segment of the firebox to produce a second steam cracker effluent having a second coil outlet temperature. The first and second segments can each include one or more burners providing heat thereto. The bumer(s) in each segment can be operated at substantially the same firing rate such that an amount of heat produced by each burner can be substantially the same. A feed rate of the first hydrocarbon feed can be controlled based, at least in part, on a composition of the first hydrocarbon feed and the first coil outlet temperature.

IPC 8 full level

C10G 9/20 (2006.01); **C10G 9/36** (2006.01)

CPC (source: EP US)

C10G 9/206 (2013.01 - EP US); **C10G 9/36** (2013.01 - EP US); C10G 2300/4006 (2013.01 - US); C10G 2300/4037 (2013.01 - US); C10G 2300/708 (2013.01 - US)

Designated contracting state (EPC)

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