

Title (en)

METHOD OF REDUCING COKE FORMATION IN HEAVY HYDROCARBON FEED CATALYTIC CRACKING

Publication

**EP 0066018 B1 19860312 (EN)**

Application

**EP 81302405 A 19810601**

Priority

EP 81302405 A 19810601

Abstract (en)

[origin: EP0066018A1] A method for decreasing the amount of coke produced during the cracking of hydrocarbon feedstock to lower molecular weight products in a reaction zone (10), where the feedstock contains at least two metal contaminants selected from nickel, vanadium and iron, and where these contaminants become deposited on the catalyst, comprises passing the catalyst through a reduction zone (70) maintained at an elevated temperature for a time sufficient to at least partially passivate the catalyst before the catalyst enters the reaction zone (10). The amount of coke may be decreased still further by the addition to reaction zone (10) of a hydrogen donor material which may be, e.g. a hydrogenated fraction (92) of the cracked product (52).

IPC 1-7

**C10G 11/02**; **C10G 11/18**

IPC 8 full level

**C10G 11/02** (2006.01); **C10G 11/18** (2006.01); **C10G 47/34** (2006.01)

CPC (source: EP)

**C10G 11/02** (2013.01); **C10G 11/18** (2013.01); **C10G 47/34** (2013.01)

Cited by

US5198098A; DE102011005400A1; WO2014046701A1; WO9207044A3; EP0070681B1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0066018 A1 19821208**; **EP 0066018 B1 19860312**; DE 3174040 D1 19860417

DOCDB simple family (application)

**EP 81302405 A 19810601**; DE 3174040 T 19810601