

Title (en)

Process for the hydrocracking of a hydrocarbonaceous feedstock.

Title (de)

Verfahren zum Hydrokracken von Kohlenwasserstoffeinsätzen.

Title (fr)

Procédé d'hydrocraquage de charges hydrocarbonées.

Publication

EP 0354626 A1 19900214 (EN)

Application

EP 89202073 A 19890808

Priority

GB 8819121 A 19880811

Abstract (en)

A hydrocarbonaceous feedstock (8) is hydrocracked in a plurality of reaction stages by contacting the feedstock with a first hydrocracking catalyst (2) at elevated temperature and pressure in the presence of hydrogen (9) in a first reaction stage to yield a first effluent (10), mixing at least a liquid portion of the first effluent with a second effluent that originates from a second reaction stage (4), contacting the mixture obtained in a third reaction stage with a third hydrocracking catalyst (5) at elevated temperature and pressure in the presence of hydrogen to yield a third effluent (12), passing the third effluent to a separation stage where at least one top fraction and a residual fraction (19) are obtained and passing the residual fraction to the second reaction stage where it is contacted with a second hydrocracking catalyst at elevated temperature and pressure in the presence of hydrogen (20) to yield the second effluent.

IPC 1-7

C10G 65/10

IPC 8 full level

B01J 23/85 (2006.01); **B01J 29/12** (2006.01); **B01J 29/14** (2006.01); **C10G 65/10** (2006.01)

CPC (source: EP)

C10G 65/10 (2013.01)

Citation (search report)

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- [Y] US 3203890 A 19650831 - VLADIMIR HAENSEL
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- [A] GB 1191958 A 19700513 - SHELL INT RESEARCH [NL]

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BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0354626 A1 19900214; **EP 0354626 B1 19950104**; AU 3953489 A 19900215; AU 614865 B2 19910912; BR 8904006 A 19900320; CA 1320468 C 19930720; CN 1021341 C 19930623; CN 1040612 A 19900321; DE 68920377 D1 19950216; DE 68920377 T2 19950524; ES 2066836 T3 19950316; GB 8819121 D0 19880914; IN 174056 B 19940903; JP H0288694 A 19900328

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EP 89202073 A 19890808; AU 3953489 A 19890811; BR 8904006 A 19890809; CA 606177 A 19890720; CN 89105535 A 19890809; DE 68920377 T 19890808; ES 89202073 T 19890808; GB 8819121 A 19880811; IN 594MA1989 A 19890809; JP 20492189 A 19890809