

Title (en)

Process for the preparation of hydrocarbon fuels.

Title (de)

Verfahren zur Herstellung von Kohlenwasserstoffbrennstoffen.

Title (fr)

Procédé de préparation de combustibles hydrocarbonés.

Publication

**EP 0583836 A1 19940223 (EN)**

Application

**EP 93202395 A 19930816**

Priority

- EP 93202395 A 19930816
- EP 92202537 A 19920818

Abstract (en)

A process for the preparation of hydrocarbon fuels comprises the steps of: a) contacting a mixture of carbon monoxide and hydrogen with a hydrocarbon synthesis catalyst at elevated temperature and pressure to prepare a substantially paraffinic hydrocarbon product; b) contacting the hydrocarbon product so-obtained with hydrogen in the presence of a hydroconversion catalyst under conditions such that substantially no isomerisation or hydrocracking of the hydrocarbon product occurs; and c) contacting at least part of the hydrocarbon product of step (b) with hydrogen in the presence of a hydroconversion catalyst under conditions such that hydrocracking and isomerisation of the hydrocarbon feed occurs to yield a substantially paraffinic hydrocarbon fuel.

IPC 1-7

**C10G 65/12**; **C10G 65/04**; **C07C 1/04**

IPC 8 full level

**B01J 23/75** (2006.01); **B01J 23/74** (2006.01); **C07B 61/00** (2006.01); **C07C 1/04** (2006.01); **C07C 4/06** (2006.01); **C07C 9/15** (2006.01); **C10G 2/00** (2006.01); **C10G 65/04** (2006.01); **C10G 65/12** (2006.01); **C10G 69/00** (2006.01); **C10G 69/02** (2006.01); **C10L 1/00** (2006.01)

IPC 8 main group level

**C07C** (2006.01); **C10G** (2006.01)

CPC (source: EP)

**C10G 2/30** (2013.01); **C10G 65/12** (2013.01)

Citation (search report)

- [A] US 4423265 A 19831227 - CHU YUNG-FENG [US], et al
- [DA] US 4080397 A 19780321 - DERR WALTER R, et al
- [A] EP 0370757 A1 19900530 - EXXON RESEARCH ENGINEERING CO [US]

Cited by

EP2586851A1; WO2010112690A1; WO2010112691A1; US7156978B2; US7704378B2; US2015021231A1; FR2888584A1; RU2656601C1; GB2386904B; EP1927643A4; US6544407B1; FR2917419A1; CN101410490A; AU2007232039B2; GB2369370A; GB2369370B; SG94676A1; FR2944027A1; FR2981944A1; US6043288A; USRE38170E; EP0668342A1; US7326331B2; EP108879A1; FR2799202A1; US6121333A; FR2944028A1; WO2007010126A3; WO2006010068A1; WO2007009987A1; WO9941217A1; EP1272592B1; WO2009004179A3; WO2004074406A1; WO2015071160A1; WO2016188850A1; WO2018077976A1; US11104857B2; US7642294B2; US8273137B2; EP3078728A1; EP2078743A1; US7404890B2; WO2011080250A1; EP3095842A1; US9556396B2; EP2075314A1; US6635171B2; US6900366B2; EP2889361A1; WO2017134251A1; US11254885B2; EP2100946A1; EP2949732A1; WO2020070246A1; WO2008002425A1; US7345211B2; US7151163B2; US6863802B2; WO2011110551A1; EP2581436A1; US6436278B1; WO2010076303A1; US8715371B2; WO2014096169A1; US8771385B2; US10041013B2; US7666294B2; WO2005026297A1; WO2013034617A1; EP2586852A1; US8968427B2; US10407637B2; EP2078744A1; WO2007133554A2; US7033552B2; US6515032B2; WO2011076948A1; US8541635B2; EP3342842A1; WO2018127458A1; US11248179B2; WO2022122888A1; US7658836B2; US7354507B2; US6497812B1; EP2738240A1; WO2017202735A1; US11359155B2; WO2023174986A1; WO2024040007A1; US7638661B2; US7229481B2; WO2010076304A1; WO2011023766A1; US8152869B2; US9017429B2; WO2015157207A1; EP3184612A1; US9862905B2; US10294436B2; US7757676B2; US7837853B2; EP2371931A1; WO2014096234A1; US8876923B2; US9222047B2; US9447356B2; WO2016188858A1; WO2017081199A1; US11001775B2; US11084997B2; US6982355B2; US6939999B2; US8152868B2; WO2013093080A1; US9546329B2; WO2017093203A1; WO2021160694A1; WO2023066738A1; US11959033B2; WO2007050352A1; US8444718B2; US8475647B2; EP3315590A1; WO2018078024A1; WO2018206729A1; WO2019007857A1; US11021669B2; WO2022228989A1; US11634652B2; US6858127B2; US6908543B1; US7737311B2; US8926716B2; EP3315592A1; WO2018078023A1; WO2019201630A1; WO2020120416A1; US11066589B2; US11512261B2; US11867117B2; US11981854B2; WO2006132964A2; US7189269B2; US6709569B2; EP2363453A1; EP2366763A1; EP2366764A1; US8221614B2; US8486876B2; WO2015091458A1; US9587195B2; US9663735B2; EP3315586A1; WO2018078021A1; US11680196B2; US7220349B2; US7704375B2; US7867377B2; WO2012163935A2; US8709234B2; WO2017050777A1; WO2020007790A1; WO2020109184A1; US10808195B2; WO2022084281A1; WO2022122887A1; WO2022228990A1; US11499106B2; US11499107B2; EP3397734B1; EP1268712B2; EP0861311B2

Designated contracting state (EPC)

BE DE DK ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0583836 A1 19940223**; **EP 0583836 B1 19971029**; **EP 0583836 B2 20020213**; AU 4467693 A 19940224; AU 666960 B2 19960229; CA 2104158 A1 19940219; CA 2104158 C 20051115; DE 69314879 D1 19971204; DE 69314879 T2 19980312; DE 69314879 T3 20020718; DK 0583836 T3 19980302; DK 0583836 T4 20020311; DZ 1708 A1 20020217; ES 2110051 T3 19980201; ES 2110051 T5 20021001; JP 3522797 B2 20040426; JP H06158058 A 19940607; MY 108862 A 19961130; NO 305288 B1 19990503; NO 932905 D0 19930816; NO 932905 L 19940221; NZ 248415 A 19950328; RU 2101324 C1 19980110; ZA 935964 B 19940315

DOCDB simple family (application)

**EP 93202395 A 19930816**; AU 4467693 A 19930816; CA 2104158 A 19930816; DE 69314879 T 19930816; DK 93202395 T 19930816; DZ 930092 A 19930816; ES 93202395 T 19930816; JP 22232893 A 19930816; MY P119931620 A 19930816; NO 932905 A 19930816; NZ 24841593 A 19930816; RU 93049258 A 19930816; ZA 935964 A 19930816