

Title (en)

FISCHER-TROPSCH PROCESSES USING CATALYSTS ON MESOPOROUS SUPPORTS

Title (de)

VERWENDUNG VON KATALYSATOREN AUF MESO-PORÖSEN TRÄGERN BEI DER FISCHER-TROPSCH-SYNTHESE

Title (fr)

SYNTHESE DE FISCHER-TROPSCH UTILISANT DES CATALYSEURS SUR DES SUPPORTS MESOPOREUX

Publication

EP 1109622 A2 20010627 (EN)

Application

EP 99943789 A 19990819

Priority

- US 9918994 W 19990819
- US 9719298 P 19980820
- US 9719398 P 19980820
- US 9719498 P 19980820
- US 37700799 A 19990818
- US 37700899 A 19990818
- US 37687399 A 19990818

Abstract (en)

[origin: WO0010698A2] This invention provides a process for producing hydrocarbons. The process involves contacting a feed stream comprising hydrogen and carbon monoxide with a catalyst in a reaction zone maintained at conversion-promoting conditions effective to produce an effluent stream comprising hydrocarbons, and uses a catalyst including (a) at least one catalytic metal for Fischer-Tropsch reactions (e.g., iron, cobalt, nickel and/or ruthenium) and (b) a non-layered mesoporous support which exhibits an X-ray diffraction after calcination that has at least one peak at a d-spacing of greater than 18 ÅNGSTROM ngstrom units.

IPC 1-7

B01J 29/00

IPC 8 full level

B01J 21/06 (2006.01); **B01J 23/46** (2006.01); **B01J 23/74** (2006.01); **B01J 23/75** (2006.01); **B01J 23/89** (2006.01); **B01J 29/03** (2006.01); **B01J 29/04** (2006.01); **B01J 35/00** (2006.01); **B01J 37/02** (2006.01); **C07C 1/04** (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP)

B01J 21/06 (2013.01); **B01J 23/462** (2013.01); **B01J 23/74** (2013.01); **B01J 23/75** (2013.01); **B01J 23/8913** (2013.01); **B01J 23/8933** (2013.01); **B01J 29/0308** (2013.01); **B01J 29/041** (2013.01); **B01J 35/23** (2024.01); **B01J 37/0236** (2013.01); **C07C 1/0435** (2013.01); **C10G 2/331** (2013.01); **C10G 2/332** (2013.01); **C10G 2/333** (2013.01); **C10G 2/334** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0010698 A2 20000302; **WO 0010698 A3 20001026**; AU 5572199 A 20000314; AU 5575199 A 20000314; AU 5681899 A 20000314; AU 746882 B2 20020502; AU 757374 B2 20030220; CA 2341174 A1 20000302; CA 2341175 A1 20000302; EP 1109622 A2 20010627; EP 1109622 A4 20020123; EP 1128905 A1 20010905; WO 0010704 A1 20000302; WO 0010705 A1 20000302

DOCDB simple family (application)

US 9918994 W 19990819; AU 5572199 A 19990819; AU 5575199 A 19990819; AU 5681899 A 19990819; CA 2341174 A 19990819; CA 2341175 A 19990819; EP 99942315 A 19990819; EP 99943789 A 19990819; US 9918895 W 19990819; US 9918962 W 19990819