

Title (en)
THERMAL HYDROGENATION OF HYDROCARBON LIQUIDS

Publication
EP 0138463 A3 19870304 (EN)

Application
EP 84306573 A 19840927

Priority
GB 8327628 A 19831014

Abstract (en)
[origin: EP0138463A2] Methane-containing gases suitable for use as SNG are produced by the non-catalytic thermal hydrogenation of hydrocarbon oils using a hydrogenation gas produced by the partial oxidation of a hydrocarbon followed by shift conversion of the crude partial oxidation gasification product in admixture with steam and the crude product from the thermal hydrogenator. The crude shift conversion product is subjected to compression purification and separation into at least two streams. A first stream containing hydrogen is employed as the hydrogenating gas and the second stream is the methane-containing product gas.

IPC 1-7
C10G 47/22; **C10G 47/30**; **C10G 69/00**

IPC 8 full level
C07C 1/00 (2006.01); **C07C 1/04** (2006.01); **C07C 9/04** (2006.01); **C07C 67/00** (2006.01); **C10G 47/22** (2006.01); **C10K 3/04** (2006.01)

CPC (source: EP)
C10G 47/22 (2013.01)

Citation (search report)
• [YD] GB 2062000 A 19810520 - BRITISH GAS CORP
• [Y] GB 1222186 A 19710210 - SHELL INT RESEARCH [NL]
• [A] US 3732085 A 19730508 - CARR N, et al

Cited by
US10464872B1; US10435637B1; US10344231B1; US10618818B1

Designated contracting state (EPC)
BE DE FR IT NL

DOCDB simple family (publication)
EP 0138463 A2 19850424; **EP 0138463 A3 19870304**; GB 2147913 A 19850522; GB 8327628 D0 19831116; JP S60104189 A 19850608

DOCDB simple family (application)
EP 84306573 A 19840927; GB 8327628 A 19831014; JP 21405884 A 19841012