

Title (en)
METHOD AND SYSTEM FOR METHANOL PRODUCTION

Title (de)
VERFAHREN UND SYSTEM ZUR METHANOLHERSTELLUNG

Title (fr)
PROCEDE ET SYSTEME DE PRODUCTION DE METHANOL

Publication
EP 2054362 A2 20090506 (EN)

Application
EP 06815449 A 20060926

Priority

- US 2006037448 W 20060926
- US 31909305 A 20051227
- US 35153206 A 20060210
- US 43269206 A 20060511
- US 44637106 A 20060602
- US 52682406 A 20060925

Abstract (en)
[origin: WO2007075204A2] An apparatus and method of producing methanol includes reacting a heated hydrocarbon-containing gas and an oxygen-containing gas in a reactor; to provide a product stream comprising methanol; and transferring heat from the product stream to the hydrocarbon-containing gas to heat the hydrocarbon containing gas. After removing methanol and CO₂ from the product stream, unprocessed hydrocarbons are mixed with the hydrocarbon containing gas for reprocessing through the reactor. Reactor byproducts are injected into the ground to increase the output of a hydrocarbon producing well.

IPC 8 full level
C07C 27/26 (2006.01); **C01B 32/50** (2017.01); **E21B 43/16** (2006.01)

CPC (source: EP)
B01F 23/10 (2022.01); **B01F 25/3131** (2022.01); **B01F 25/31331** (2022.01); **B01F 25/45** (2022.01); **B01F 25/4521** (2022.01); **B01J 4/002** (2013.01); **B01J 8/0221** (2013.01); **B01J 19/0013** (2013.01); **B01J 19/006** (2013.01); **B01J 19/02** (2013.01); **B01J 19/2405** (2013.01); **B01J 19/2415** (2013.01); **B01J 19/26** (2013.01); **C07C 29/1518** (2013.01); **C07C 29/50** (2013.01); **B01J 2219/00006** (2013.01); **B01J 2219/00038** (2013.01); **B01J 2219/00051** (2013.01); **B01J 2219/00119** (2013.01); **B01J 2219/00162** (2013.01); **B01J 2219/00765** (2013.01); **B01J 2219/00768** (2013.01); **B01J 2219/0077** (2013.01); **B01J 2219/00772** (2013.01); **B01J 2219/00777** (2013.01); **B01J 2219/0209** (2013.01); **B01J 2219/0245** (2013.01); **B01J 2219/0286** (2013.01); **B01J 2219/182** (2013.01); **B01J 2219/1943** (2013.01); **B01J 2219/1946** (2013.01)

C-Set (source: EP)
1. **C07C 29/1518 + C07C 31/04**
2. **C07C 29/50 + C07C 31/04**
3. **C07C 29/1518 + C07C 31/08**
4. **C07C 29/50 + C07C 31/08**

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2007075204 A2 20070705; **WO 2007075204 A3 20071122**; BR PI0621143 A2 20111129; EP 2054362 A2 20090506; EP 2054362 A4 20100526; JP 2009521530 A 20090604; JP 5281897 B2 20130904

DOCDB simple family (application)
US 2006037448 W 20060926; BR PI0621143 A 20060926; EP 06815449 A 20060926; JP 2008548504 A 20060926