

Title (en)  
METHOD FOR OPTIMISING THE OPERATION OF A UNIT FOR THE SYNTHESIS OF HYDROCARBONS FROM A SYNTHESIS GAS

Title (de)  
VERFAHREN ZUR OPTIMIERUNG DES BETRIEBS EINER EINHEIT FÜR DIE SYNTHESE VON KOHLENWASSERSTOFFEN AUS EINEM SYNTHESSEGAS

Title (fr)  
METHODE POUR OPTIMISER LE FONCTIONNEMENT D'UNE UNITE DE SYNTHESE D'HYDROCARBURES A PARTIR DE GAZ DE SYNTHESE

Publication  
**EP 2099727 B1 20100915 (FR)**

Application  
**EP 07866482 A 20071102**

Priority  
• FR 2007001816 W 20071102  
• FR 0609879 A 20061113

Abstract (en)  
[origin: WO2008065268A1] The invention relates to a method for optimising the operation of a reaction section for the synthesis of hydrocarbons from a stock containing a synthesis gas, the method being carried out in the presence of a cobalt-containing catalyst. The method includes the following steps: a) determining a theoretical molar ratio  $P_{H_2O}:P_{H_2}$  in the reaction section; b) optionally adjusting the ratio  $P_{H_2O}:P_{H_2}$  determined in step a) to a value strictly lower than 1; c) determining the new value of the theoretical molar ratio  $P_{H_2O}:P_{H_2}$  in the reaction section; and repeating steps a) to c) until the ratio  $P_{H_2O}:P_{H_2}$  between the water and hydrogen partial pressures has a value strictly lower than 1.1.

IPC 8 full level  
**C07C 1/04** (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP NO US)  
**C10G 2/32** (2013.01 - EP NO US)

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2908421 A1 20080516; FR 2908421 B1 20090206**; AT E481372 T1 20101015; CA 2669301 A1 20080605; CA 2669301 C 20150113; CN 101605744 A 20091216; CN 101605744 B 20130619; DE 602007009313 D1 20101028; EP 2099727 A1 20090916; EP 2099727 B1 20100915; NO 20092043 L 20090731; NO 341790 B1 20180122; PL 2099727 T3 20110429; US 2011009502 A1 20110113; US 8399526 B2 20130319; WO 2008065268 A1 20080605

DOCDB simple family (application)  
**FR 0609879 A 20061113**; AT 07866482 T 20071102; CA 2669301 A 20071102; CN 200780049774 A 20071102; DE 602007009313 T 20071102; EP 07866482 A 20071102; FR 2007001816 W 20071102; NO 20092043 A 20090526; PL 07866482 T 20071102; US 51449707 A 20071102