

Title (en)  
HYDROCARBON SYNTHESIS CATALYST ENHANCEMENT WITH HYDROGEN AND AMMONIA

Title (de)  
VERBESSERUNG EINES KOHLENWASSERSTOFFSYNTHESEKATALYSATORS DURCH BEHANDLUNG MIT WASSERSTOFF UND AMMONIAK

Title (fr)  
AMELIORATION DES CATALYSEURS DE SYNTHÈSE D'HYDROCARBURES AVEC DE L'HYDROGÈNE ET DE L'AMMONIAC

Publication  
**EP 1246886 A1 20021009 (EN)**

Application  
**EP 00986751 A 20001226**

Priority  
• US 0035329 W 20001226  
• US 47753200 A 20000104

Abstract (en)  
[origin: WO0149809A1] Hydrocarbon synthesis catalysts are enhanced to improved performance, by contacting the catalyst with a reducing gas comprising a mixture of hydrogen and ammonia, at elevated temperature and pressure effective for conventional synthesis catalyst reduction. It is preferred that a portion of the total reduction be achieved with a reducing gas comprising ammonia and hydrogen and the balance with a hydrogen reducing gas without ammonia.

IPC 1-7  
**C10G 2/00**; **C07C 1/04**

IPC 8 full level  
**B01J 23/75** (2006.01); **B01J 37/18** (2006.01); **C07C 1/04** (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP)  
**B01J 37/18** (2013.01); **C07C 1/0445** (2013.01); **C10G 2/331** (2013.01); **B01J 23/75** (2013.01); **C07C 2521/04** (2013.01); **C07C 2521/06** (2013.01); **C07C 2521/08** (2013.01); **C07C 2521/12** (2013.01); **C07C 2523/46** (2013.01); **C07C 2523/75** (2013.01); **C07C 2523/89** (2013.01)

Citation (search report)  
See references of WO 0149809A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0149809 A1 20010712**; AR 026794 A1 20030226; AU 2293301 A 20010716; CA 2395682 A1 20010712; EP 1246886 A1 20021009; JP 2003519011 A 20030617; NO 20023229 D0 20020703; NO 20023229 L 20020830

DOCDB simple family (application)  
**US 0035329 W 20001226**; AR P010100032 A 20010104; AU 2293301 A 20001226; CA 2395682 A 20001226; EP 00986751 A 20001226; JP 2001550339 A 20001226; NO 20023229 A 20020703