Title (en)

PROCESS FOR SELECTIVE OXIDATION OF CARBON MONOXIDE IN A HYDROGEN CONTAINING STREAM

Title (de)

VERFAHREN ZUR SELEKTIVEN OXIDATION VON KOHLENMONOXID IN EINEM WASSERSTOFFHALTIGEN STROM

Title (fr)

PROCEDE D'OXYDATION SELECTIVE DE L'OXYDE DE CARBONE DANS UN FLUX CONTENANT DE L'HYDROGENE

Publication

EP 1257502 A4 20070425 (EN)

Application

EP 00993603 A 20001110

Priority

- US 0042050 W 20001110
- US 47315799 A 19991228

Abstract (en)

[origin: WO0147806A1] A process for the selective oxidation of CO to CO2 in a hydrogen feed in the presence of catalyst containing platinum and iron. The catalyst can be acid treated.

IPC 1-7

C01B 31/20

IPC 8 full level

C01B 3/32 (2006.01); **B01J 23/89** (2006.01); **B01J 27/25** (2006.01); **B01J 37/08** (2006.01); **B01J 37/18** (2006.01); **C01B 3/38** (2006.01); **C01B 32/50** (2017.01); B01J 37/06 (2006.01); B01J 37/14 (2006.01)

CPC (source: EP KR)

B01J 23/8906 (2013.01 - EP); **B01J 27/25** (2013.01 - EP); **B01J 37/086** (2013.01 - EP); **B01J 37/18** (2013.01 - EP); **C01B 32/50** (2017.07 - EP KR); B01J 37/06 (2013.01 - EP); B01J 37/14 (2013.01 - EP)

Citation (search report)

- [DX] US 5017357 A 19910521 - KOLTS JOHN H [US], et al
- [PX] WO 0033955 A1 20000615 - PHILLIPS PETROLEUM CO [US], et al
- See references of WO 0147806A1

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 0147806 A1 20010705; AU 2923901 A 20010709; AU 774521 B2 20040701; BR 0016815 A 20021001; CA 2395761 A1 20010705; CN 1414923 A 20030430; EP 1257502 A1 20021120; EP 1257502 A4 20070425; JP 2003519067 A 20030617; KR 20020074465 A 20020930; MX PA02006437 A 20021129; NO 20023180 D0 20020628; NO 20023180 L 20020819; RU 2002120497 A 20040127; RU 2248323 C2 20050320

DOCDB simple family (application)

US 0042050 W 20001110; AU 2923901 A 20001110; BR 0016815 A 20001110; CA 2395761 A 20001110; CN 00817964 A 20001110; EP 00993603 A 20001110; JP 2001549290 A 20001110; KR 20027008283 A 20020625; MX PA02006437 A 20001110; NO 20023180 A 20020628; RU 2002120497 A 20001110