Title (en)

SINGLE STAGE MULTI-ZONE HYDROISOMERIZATION PROCESS

Title (de)

EINSTUFIGE MULTI-ZONE HYDROISOMERIZIERUNGSVERFAHREN

Title (fr)

PROCESSUS D'HYDRO-ISOMERISATION MULTI-ZONE EN UNE SEULE REACTION

Publication

EP 1254199 A1 20021106 (EN)

Application

EP 01904928 A 20010118

Priority

- US 0101765 W 20010118
- US 49743800 A 20000203

Abstract (en)

[origin: WO0157160A1] Fischer-Tropsch synthesized hydrocarbons comprising both a 500-750 DEG F+ heavy fraction and a 500-750 DEG F -light fraction are separately hydroisomerized by a single-stage, two-zone hydroisomerization process, in which at least a portion of the light fraction is hydroisomerized in the first zone, with the total first zone effluent containing unreacted hydrogen and a light hydroisomerate. The first zone effluent and the heavy fraction are passed into the second zone to form a second zone effluent comprising the hydroisomerized product. The product is fractionated into a plurality of product fractions, including a distillate fuels fraction containing a jet fuel fraction. The hydrogen treat gas is used to separate a portion of the light fraction from the heavy fraction, prior to the hydroisomerization.

IPC 1-7

C10G 65/00

IPC 8 full level

C10G 2/00 (2006.01); **C10G 45/58** (2006.01); **C10G 65/00** (2006.01); **C10G 65/04** (2006.01); **C10G 67/02** (2006.01)

CPC (source: EP)

C10G 65/00 (2013.01)

Citation (search report)

See references of WO 0157160A1

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 0157160 A1 20010809; AR 027321 A1 20030319; AU 3285901 A 20010814; BR 0108019 A 20021029; CA 2399070 A1 20010809; EP 1254199 A1 20021106; JP 2003522252 A 20030722; NO 20023682 D0 20020802; NO 20023682 L 20020925

DOCDB simple family (application)

US 0101765 W 20010118; AR P010100400 A 20010129; AU 3285901 A 20010118; BR 0108019 A 20010118; CA 2399070 A 20010118; EP 01904928 A 20010118; JP 2001557980 A 20010118; NO 20023682 A 20020802