

Title (en)
Process for the isomerisation of gasolines with high benzene content

Title (de)
Verfahren zur Isomerisierung von Benzin mit hohem Benzolgehalt

Title (fr)
Procédé f d'isomérisation d'essences à teneur élevée en benzène

Publication
EP 0949317 B1 20040519 (FR)

Application
EP 99400568 A 19990309

Priority
FR 9803958 A 19980331

Abstract (en)
[origin: US2002139712A1] A method for the isomerization of a hydrocarbonic charge containing a substantial quantity of paraffin base hydrocarbons with 5 or 6 carbon atoms and a benzene content that is greater than or equal to 2% by weight, in which the charge to be treated passes, in the presence of hydrogen, at a total pressure greater than or equal to 10.105 Pa (10 bars) and at an average temperature ranging between 100 and 200° C., through at least one reactor (5) containing a catalyst. An adjunctive fluid is introduced in the upstream section of the reaction zone; a fluid that at 40° C. and under atmospheric pressure (1.0134.105 Pa), is in a gaseous phase and has a density that is less than or equal to that of the normal-pentane taken into account under the same conditions.

IPC 1-7
C10G 45/58; **C10G 65/08**

IPC 8 full level
C10G 49/02 (2006.01); **C10G 45/58** (2006.01); **C10G 65/08** (2006.01)

CPC (source: EP US)
C10G 45/58 (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US)

Cited by
CN110320307A

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

DOCDB simple family (publication)
US 2002139712 A1 20021003; **US 6881385 B2 20050419**; AT E267239 T1 20040615; DE 69917363 D1 20040624; DE 69917363 T2 20050512; EP 0949317 A1 19991013; EP 0949317 B1 20040519; ES 2221327 T3 20041216; FR 2776667 A1 19991001; FR 2776667 B1 20000616; JP 4112114 B2 20080702; JP H11323356 A 19991126; US 6416657 B1 20020709; ZA 992450 B 19991001

DOCDB simple family (application)
US 10747702 A 20020328; AT 99400568 T 19990309; DE 69917363 T 19990309; EP 99400568 A 19990309; ES 99400568 T 19990309; FR 9803958 A 19980331; JP 9214899 A 19990331; US 28244299 A 19990331; ZA 992450 A 19990330