

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)  
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**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

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