Title (en)

Process for the isomerisation of Fischer-Tropsch paraffins with a catalyst based on zeolite H-Y.

Title (de)

Verfahren zur Isomerisierung von Fischer-Tropsch-Paraffinen unter Anwendung eines auf Zeolith-H-Y basiertem Katalysators.

Title (fr)

Procédé d'hydromérisation de paraffines issues du procédé Fischer-Tropsch à l'aide de catalyseurs à base de zéolithe H.Y.

Publication

EP 0515256 A1 19921125 (FR)

Application

EP 92401348 A 19920515

Priority

FR 9106140 A 19910521

Abstract (en)

Process for hydroisomerisation of feedstocks originating from the Fischer-Tropsch process, in which a) hydrogen is reacted with the feedstock in contact with a catalyst 1 in a first reaction zone, the said catalyst 1 comprising at least one alumina-based matrix and at least one component for hydrodehydrogenation, b) the effluent originating from the first reaction zone is brought into contact with a catalyst 2 in a second reaction zone, the said catalyst 2 comprising - from 20 to 97 % by weight of at least one matrix - from 3 to 80 % by weight of at least one zeolite Y in hydrogen form, the said zeolite being characterised by an SiO2/Al2O3 molar ratio higher than 4.5, a sodium content lower than 1 % by weight, determined on zeolite calcined at 1100 DEG C, an elementary crystal lattice constant a0 lower than 24.70 x 10<-10> m, and a specific surface, determined by the BET method, greater than 400 m<2>.g<-1>, - at least one component for hydrodehydrogenation.

IPC 1-7

C10G 65/04

IPC 8 full level

C10G 65/04 (2006.01)

CPC (source: EP US)

C10G 65/043 (2013.01 - EP US); Y10S 208/95 (2013.01 - EP US); Y10S 585/946 (2013.01 - EP US)

Citation (search report)

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- [A] US 3647678 A 19720307 - EGAN CLARK J
- [AD] FR 2561946 A1 19851004 - PRO CATALYSE [FR]
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Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0515256 A1 19921125; **EP 0515256 B1 19970305**; DE 69217719 D1 19970410; DE 69217719 T2 19970807; DZ 1580 A1 20020217; ES 2101055 T3 19970701; FR 2676749 A1 19921127; FR 2676749 B1 19930820; NO 306263 B1 19991011; NO 921977 D0 19920519; NO 921977 L 19921123; US 5306860 A 19940426; ZA 923658 B 19931122

DOCDB simple family (application)

EP 92401348 A 19920515; DE 69217719 T 19920515; DZ 920049 A 19920517; ES 92401348 T 19920515; FR 9106140 A 19910521; NO 921977 A 19920519; US 88622492 A 19920521; ZA 923658 A 19920520