

Title (en)

Hydrocracking of Fischer-Tropsch paraffines with catalysts based on zeolithe-H-Y.

Title (de)

Hydrocrackung von Fischer-Tropsch-Paraffinen unter Anwendung von H-Y-Zeolithen.

Title (fr)

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

Publication

EP 0515270 A1 19921125 (FR)

Application

EP 92401371 A 19920520

Priority

FR 9106141 A 19910521

Abstract (en)

Process for hydrocracking 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 m².g⁻¹, - at least one component for hydrodehydrogenation. <

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IPC 8 full level

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CPC (source: EP US)

C10G 65/10 (2013.01 - EP US); **Y10S 585/946** (2013.01 - EP US)

Citation (search report)

- [A] US 4684756 A 19870804 - DERR JR W RODMAN [US], et al
- [A] EP 0310165 A1 19890405 - SHELL INT RESEARCH [NL]

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US6765025B2; US5674478A; US6106814A; US5750122A; US6054040A; EP0583836B2

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