Title (en)

FLUIDISED BED HYDROCARBON CONVERSION PROCESS

Publication

EP 0323297 B1 19910619 (FR)

Application

EP 88403153 A 19881212

Priority

- FR 8718375 A 19871230
- CN 89100052 A 19881230

Abstract (en)

[origin: EP0323297A1] Process for the conversion of petroleum hydrocarbons in the presence of catalyst particles in a fluidised phase in a tubular reaction zone with essentially upward or downward flow, this process comprising at least one stage of steam cracking of at least one light hydrocarbon cut and a stage of catalytic cracking of at least one heavy hydrocarbon cut. The steam cracking is carried out by bringing into contact, in a fluidised bed of catalyst particles, the said light hydrocarbons and a quantity of steam equal to at least 20% by weight, the resulting temperature being between 650 and 850 DEG C. The catalytic cracking of the heavy hydrocarbons is carried out by injecting into the catalyst suspension effluents from the upstream part of the reaction zone, so that the temperature of the mixture is between 500 and 650 DEG C and is then returned to a temperature of between 475 and 550 DEG C.

IPC 1-7

C10G 11/18

IPC 8 full level

B01J 8/24 (2006.01); **C10G 11/00** (2006.01); **C10G 11/18** (2006.01); **C10G 11/20** (2006.01); **C10G 51/04** (2006.01)

CPC (source: EP)

C10G 11/18 (2013.01)

Cited by

US8808632B2; EP1046696A3; FR2655053A1; EP1970427A3; AU641367B2; AU2005322126B2; KR101145196B1; FR2659346A1; DE4107043B4; FR2658833A1; JP2786287B2; EP0849347A3; US6447671B1; WO2013057389A1; WO2014096602A1; WO2013083883A1; WO9103527A1; US7682501B2; US8986617B2; WO2014096704A1; WO2006071771A1; WO9955801A1; JP2008525597A; EP1970427A2; US8377287B2; WO2014096703A1; US9434888B2

Designated contracting state (EPC)

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EP 0323297 A1 19890705; **EP 0323297 B1 19910619**; CN 1020344 C 19930421; CN 1034949 A 19890823; DE 3863352 D1 19910725; ES 2022682 B3 19911201; FR 2625509 A1 19890707; FR 2625509 B1 19900622; GR 3002175 T3 19921230; JP 2509314 B2 19960619; JP H01294794 A 19891128; ZA 889689 B 19890927

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EP 88403153 A 19881212; CN 89100052 A 19881230; DE 3863352 T 19881212; ES 88403153 T 19881212; FR 8718375 A 19871230; GR 910400858 T 19910624; JP 33571188 A 19881228; ZA 889689 A 19881228