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(54) **A catalytic conversion process for producing isobutane and isoparaffin-enriched gasoline**

(57) A process for catalytic conversion of hydrocarbon feedstock to produce isobutane and isoparaffin-enriched gasoline which comprises two different reactions, the preheated feedstock is contacted with hot regenerated catalyst in the lower part of a reactor with the result that catalytic cracking reaction takes place, and the mixture of vapors and the coke deposited catalyst are up-flowed and enter into a suitable reaction environment with the result that isomerization and hydrogen transfer reaction take place. The produced LPG has an isobutane content of about 20wt% to about 40wt% and the produced gasoline contains isoparaffin content of about 30wt% to about 45wt% and olefin content of less than 30wt%. RON and MON of the gasoline are 90~93 and 80~84 respectively.

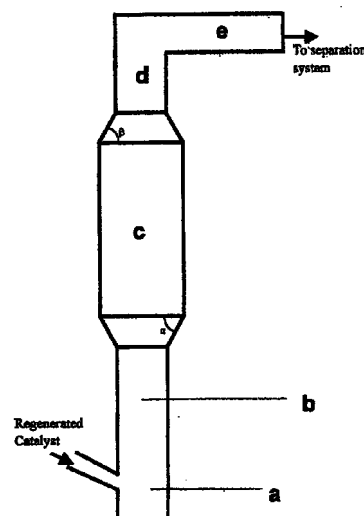


FIG. 1

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Application Number
EP 00 10 8032

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 November 2000	Examiner Michiels, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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