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54 **Hydrocracking of asphaltene-rich bitumen residuums.**

57 A process is provided for selectively converting the asphaltene-rich fraction of a hydrocarbon residuum to a refinery treatable product. The bitumen residuum is concentrated to provide an asphaltene-rich feedstock. The feedstock is admixed with a thermally decomposable catalyst precursor and preheated to a temperature of between about 200°C - 300°C under ambient conditions to convert said precursor to an active colloidal catalyst. The mixture is reacted with hydrogen under hydrocracking conditions at a temperature of between 420°C-490°C to thereby selectively hydrocrack the asphaltene fraction.

EP 0 396 384 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-3 161 585 (GLEIM et al.) * Claims 1-9; column 3, lines 3-19 * ---	1,3,5	C 10 G 47/00
A	GB-A-2 150 150 (ELF) * Claims 1,3,6 * ---	1,3,4,5	
A	US-A-4 192 735 (ALDRIDGE et al.) * Claims 1,2,3,4,5,6,8,13,16,18; column 2, lines 54-61 * ---	1,3,4,5	
A	US-A-3 694 352 (GLEIM et al.) * Claims 1,3; column 1, lines 28-39; column 4, lines 3-15 * -----	1,5,6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 10 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-09-1990	Examiner DE HERDT O.C.E.
CATEGORY OF CITED DOCUMENTS 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 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			