

12

EUROPEAN PATENT APPLICATION

21 Application number: **84201664.4**

51 Int. Cl.⁴: **C 10 G 11/18, C 10 G 51/02**

22 Date of filing: **16.11.84**

30 Priority: **22.11.83 US 554469**

71 Applicant: **SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, NL-2596 HR Den Haag (NL)**

43 Date of publication of application: **29.05.85 Bulletin 85/22**

72 Inventor: **Crocoll, James Fred, 10043 Cedardale, Houston Texas 77055 (US)**

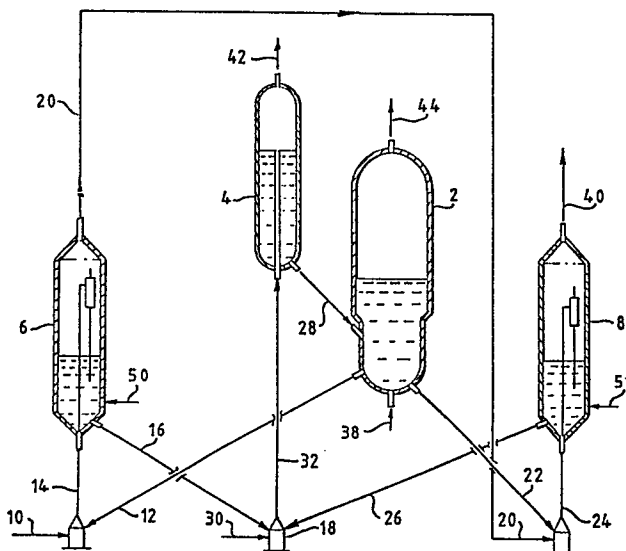
84 Designated Contracting States: **BE DE FR GB IT**

88 Date of deferred publication of search report: **22.01.86 Bulletin 86/4**

74 Representative: **Aalbers, Onno et al, P.O. Box 302, NL-2501 CH The Hague (NL)**

54 **Dual riser fluid catalytic cracking process.**

57 An improved fluid catalytic cracking process for achieving high conversions of low quality feedstocks (10) (containing metal contaminants, basic nitrogen and/or coke precursors) at relatively low severities, by passing the feedstock in series through a dual riser reactor system (14 and 24) having a common catalyst stripper (4) and regenerator (2), in contact with freshly regenerated catalyst which is passed in parallel from the regenerator through each of the riser reactors (12 and 22).





European Patent
Office

EUROPEAN SEARCH REPORT

0142900
Application number

EP 84 20 1664

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. 4)
Y	FR-A-2 378 847 (MELIK-AKHNAZAROV et al.) * Figure; claims 1,2 *	1-4	C 10 G 11/18 C 10 G 51/02
Y	--- GB-A-1 438 795 (TEXACO) * Figure; claims *	1-4	
Y	--- US-A-3 894 933 (OWEN et al.) * Figure; claims *	1	
A	--- US-A-4 073 717 (ALIEV et al.) * Figure *		
D,A	--- US-A-4 090 949 (OWEN) * Figure; claims *		TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
Y	--- EP-A-0 076 889 (ASHLAND OIL) * Claim 1 * -----	2-4	C 10 G B 01 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25-10-1985	Examiner MICHIELS P.
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	