

12 **EUROPEAN PATENT APPLICATION**

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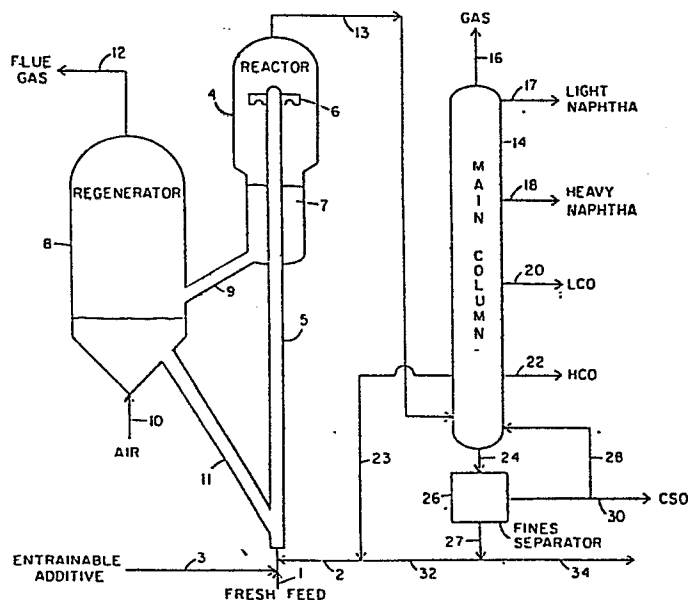
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54 **Fluidized catalytic cracking process.**

57 A fluidized catalytic process preferably cracking of heavy oils, operating with equilibrium fluidized catalyst is operated with an entrainable catalyst which is removed by reactor effluent vapours. Preferred is addition of entrainable catalyst

containing 10 to 40 weight % of ZSM-5 and having an average particle size of 4 to 10 microns. The entrainable catalyst is removed from the FCC reactor with reactor effluent, and preferably recycled to the reactor.





European Patent
Office

EUROPEAN SEARCH REPORT

0148024

Application number

EP 84 30 9081

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	US-A-3 380 911 (OWEN) * Figure; claims 1-6; column 3, lines 62-68; column 5, lines 12-22 *	1-19	C 10 G 11/18
Y	DE-A-2 149 218 (MOBIL OIL) * Claims 1-17 *	1-19	
A	EP-A-0 021 787 (MOBIL OIL) * Claims 1-10 *	1-19	
Y	US-A-3 527 694 (LUCKENBACH) * Claims 1-5 *	1-19	
D,Y	US-A-4 345 991 (STEGELMAN) * Claims 1-5 *	7	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
D,Y	US-A-4 285 805 (STEGELMAN) * Claims 1-13 *	7,10	C 10 G
D,Y	EP-A-0 044 631 (MOBIL OIL) * Claims 1-17 *	1	
P,A	EP-A-0 127 285 (MOBIL OIL) * Claims 1-10; figure *	1-5,14 -19	
The present search report has been drawn up for all claims			

Place of search
THE HAGUE

Date of completion of the search
12-09-1986

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
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& : member of the same patent family, corresponding document