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- (71) Applicant (for all designated States except US): UOP LLC [US/US]; 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DA SILVA FERREIRA ALVES, Joao Jorge [PT/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US). REKOSKE, James E. [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US). NICHOLAS, Christopher P. [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).

- (74) Agent: PASCALL, James C.; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).
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(54) Title: PROCESS AND APPARATUS FOR INCREASING WEIGHT OF OLEFINS

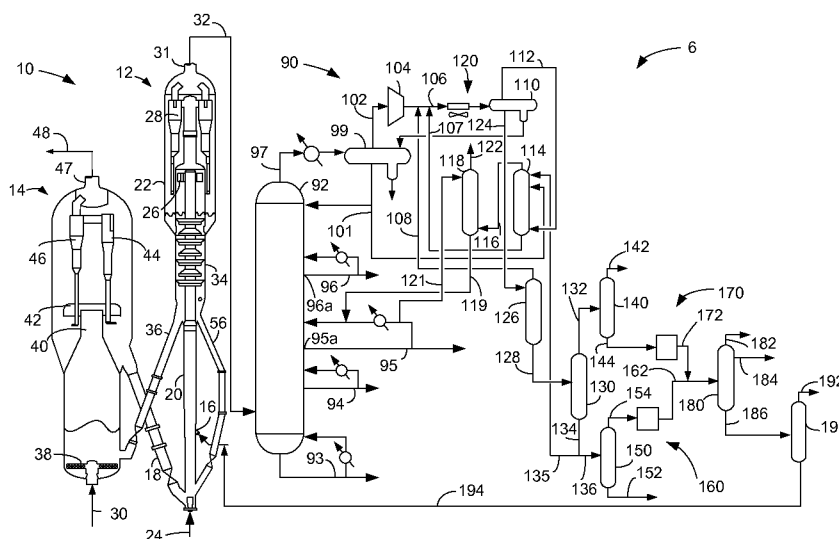


FIG. 1

(57) Abstract: The process and apparatus converts FCC olefins to heavier compounds. The heavier compounds are more easily separated from the unconverted paraffins. The heavier compounds can be recycled to an FCC unit or delivered to a separate FCC unit. Suitable conversion zones are oligomerization and aromatic alkylation zones.

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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

C07C 2/66; B01J 37/04; C07C 27/00; C07C 2/00; C07C 6/10; C07C 1/00; C07C 27/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: olefin, paraffin, FCC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 89-09757 A1 (MOBIL OIL CORPORATION) 19 October 1989 See the whole document.	1-10
A	WO 03-018519 A1 (CHEVRON U.S.A. INC.) 06 March 2003 See the whole document.	1-10
A	WO 02-00578 A2 (CHEVRON U.S.A. INC.) 03 January 2002 See the whole document.	1-10
A	US 2003-0045591 A1 (DENNIS J. O`REAR) 06 March 2003 See the whole document.	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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Korean Intellectual Property Office  
Government Complex-Daejeon, 189 Cheongsa-ro,  
Seo-gu, Daejeon 302-701, Republic of Korea

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Authorized officer

JWA, Seung Kwan

Telephone No. 82-42-481-5405



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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