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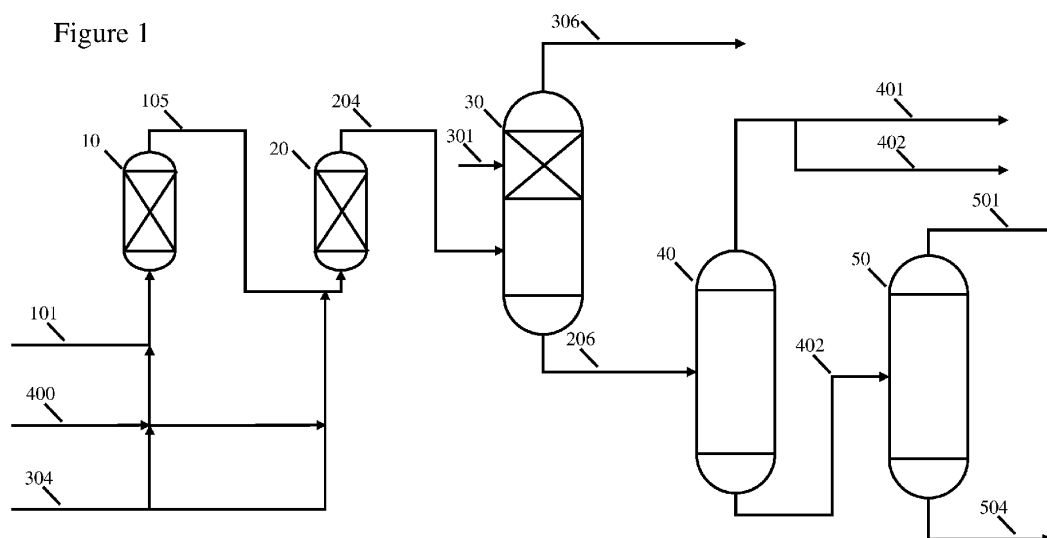
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(71) Applicant: LUMMUS TECHNOLOGY LLC [US/US];
1515 Broad Street, Bloomfield, NJ 07003-3096 (US).(72) Inventors: BARIAS, Rosette; 1515 Broad Street, Bloom-
field, NJ 07003-3096 (US). CHEN, Liang; 1515 Broad
Street, Bloomfield, NJ 07003-3096 (US). SCOTT,Michael, Jon; 1515 Broad Street, Bloomfield, NJ
07003-3096 (US).(74) Agent: GRIFFITH, Aron, T. et al.; Osha Bergman Watan-
abe & Burton LLP, 909 Fannin Street, Suite 3500, Houston,
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(54) Title: PROCESS FOR THE CONTROLLED OLIGOMERIZATION OF BUTENES

Figure 1



(57) **Abstract:** The selective dimerization of isoolefins, such as isobutene or isopentane, or mixtures thereof, may be conducted in a system including a series of fixed bed reactors and a catalytic distillation reactor. The system may provide for conveyance of the fixed bed reactor effluents, without componential separation, to a downstream reactor. It has been found that a high selectivity to the dimer may be achieved even though intermediate separation of the desired product from unreacted components between reactors is not performed. Further, embodiments provide for use of a divided wall column for recovery of a high purity dimer product, reducing unit piece count and plot size.

[Continued on next page]

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