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(71) Applicant (for all designated States except US):

EXXONMOBIL CHEMICAL PATENTS INC.
 [US/US]; A Corporation of the State of Delaware, 5200
 Bayway Drive, Baytown, TX 77520 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LATTNER, James,**

R. [US/US]; 10 Bay Oaks, LaPorte, TX 77571 (US).
WEBER, Michael, W. [US/US]; 13807 Greenwood Lane
 South, Houston, TX 77044 (US). **TARDY, Jimmy, L.**
 [US/US]; 407 Gig Court, Crosby, TX 77532 (US).
LARGE, Howard, G. [US/US]; 302 Josh Way, Laporte,
 TX 77571 (US). **LOEZOS, Pete, N.** [US/US]; 804 Mar-
 shall Street, Houston, TX 77006 (US). **FOSTER, Randy,**
L. [US/US]; 301 Spence Lane, Crosby, TX 77532 (US).

DAVIS, Jason, D. [US/US]; 9531 Bearden Creek, Hum-
 ble, TX 77396 (US).

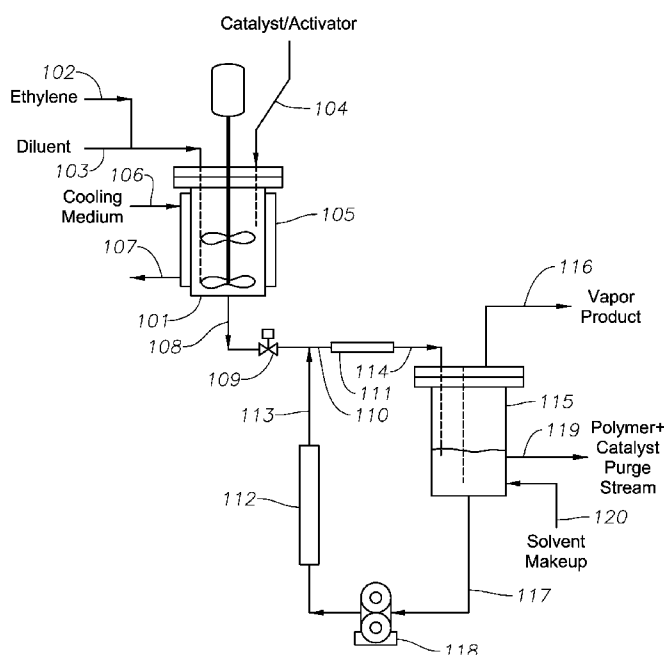
(74) Agents: **FAULKNER, Kevin, M.** et al.; ExxonMobil
 Chemical Company, P.O. Box 2149, Baytown, TX
 77522-2149 (US).

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(54) Title: SYSTEM AND METHOD FOR SELECTIVE TRIMERIZATION



(57) Abstract: Disclosed herein is a method for separating from the reactor effluent of an olefin oligomerization procedure those catalyst materials and polymeric by-products which can cause difficulties in the downstream processing of such effluent. Polymer by-products and catalyst in the effluent are separated from reaction products by flash vaporization utilizing an in-situ hot solvent which is contacted with the effluent and serves as the heating medium to promote this flash vaporization step. Subsequent processing of a liquid portion of the effluent which is left after flash vaporization involves recovery of catalyst and polymeric by-products therefrom in a steam stripping vessel. Also disclosed is a multiple reactor system which can be used for continuous trimerization of ethylene to 1-hexene while at the same time washing polymeric by-products from one of the reactors in the series using a wash oil solvent.

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