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(71) Applicant (for all designated States except US): **EXXON-MOBIL RESEARCH ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GRAZIANI, Kenneth, R.** [US/US]; 5406 Kennington Place, Fairfax, VA

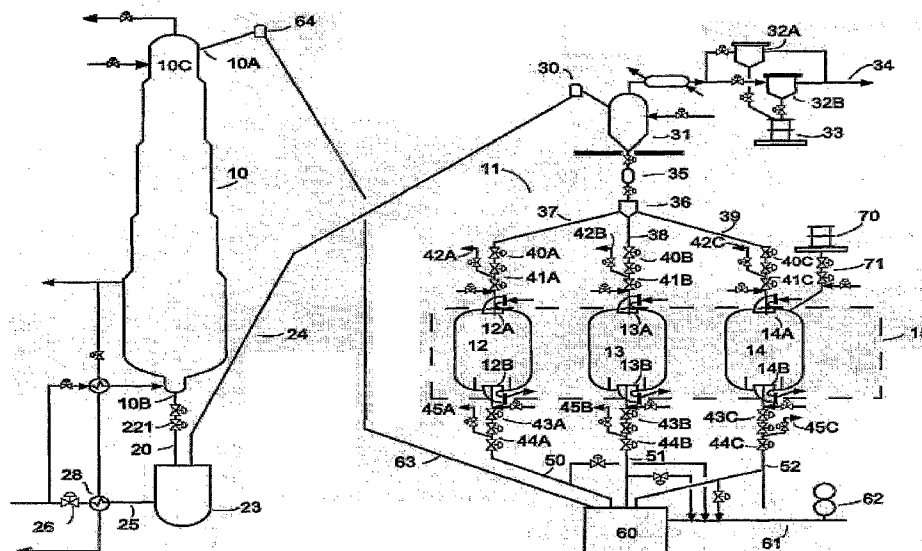
22032 (US). **IACCINO, Larry, Lee** [US/US]; 2409 Menard Street, Seabrook, TX 77586 (US). **MELLI, Tomas, R.** [US/US]; 5780 Bencrest Way, Haymarket, VA 20169 (US). **MARSHALL, Greg, A** [US/US]; 6115 Rapid Creek Court, Kingwood, TX 77345 (US). **THURTELL, John, Harland** [CA/US]; 15415 Palm Grass Court, Houston, TX 77059 (US). **FOJTASEK, Brian, D** [US/US]; 12201 Timberwolf Trail, Manassas, VA 20112 (US). **FIUTOWSKA, Bozena** [CA/CA]; 30 Reigate Road, Toronto, Ontario M9A 2Y4 (CA). **VIETS, John, Werner** [US/US]; 3605 Woodhill Place, Fairfax, VA 22031 (US). **GOLDSTEIN, Stuart, S.** [US/US]; 4233 Sleepy Lake Drive, Fairfax, VA 22033 (US).

(74) Agents: **PURWIN, Paul, E.** et al.; ExxonMobil Research and Engineering Company, 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

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(54) Title: METHOD FOR REVAMPING FIXED-BED CATALYTIC REFORMERS



(57) Abstract: A fixed-bed catalytic reformer unit is converted to moving bed reactor/cyclic regenerator operation by re-using the fixed bed reactors of the original unit as regenerator vessels operated in cyclic regeneration mode in a new catalyst regeneration section. A flow connection, suitably a lift pipe, is provided to convey spent catalyst from the spent catalyst outlet of a new moving bed reactor section to the converted regenerator section, together with a flow connection for regenerated catalyst from the regenerator section to the regenerated catalyst inlet of the new moving bed reactor section. A flow control distributor directs spent catalyst sequentially to each of the regenerator vessels to carry out the regeneration with regeneration gas. Each regenerator vessel is cycled through a fill, regeneration, discharge sequence to maintain a continuous flow of catalyst to and from the reactor section.



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