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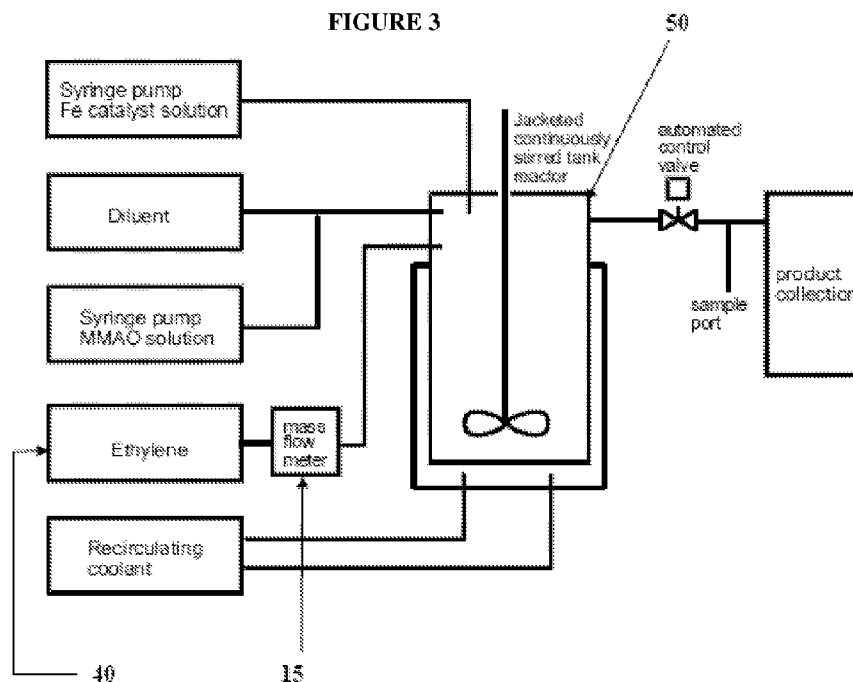
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: OLEFIN OLIGOMERIZATION METHODS

FIGURE 3



(57) Abstract: Processes for oligomerizing olefins utilizing a catalyst system including a) a transition metal complex that is transition metal compound complexed to a pyridine bisimine ligand and b) a metal alkyl and controlling the olefin oligomer product distribution K value by adjusting i) a transition metal of the transition metal complex concentration in the reactor, ii) a metal of the metal alkyl concentration in the reactor, iii) a metal of the metal alkyl to transition metal of the transition metal complex molar ratio in the reactor, and iv) any combination thereof.

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