

OLEFIN OLIGOMERIZATION METHODS

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.

[Fig. 3]