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

RON PHILLIPS CHEMICAL COMPANY LP
[US/US]; 10001 Six Pines Drive, The Woodlands, Texas
77380 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SYDORA, Orson L
[US/US]; 2518 Oakdale Street, Houston, Texas 77004
(US).

(74) Agent: JOLLY, Lynda S.; Chevron Phillips Chemical
Company LP, 10001 Six Pines Drive, The Woodlands,
Texas 77380 (US).

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(54) Title: OLEFIN OLIGOMERIZATION CATALYSTS AND METHODS OF MAKING AND USING SAME

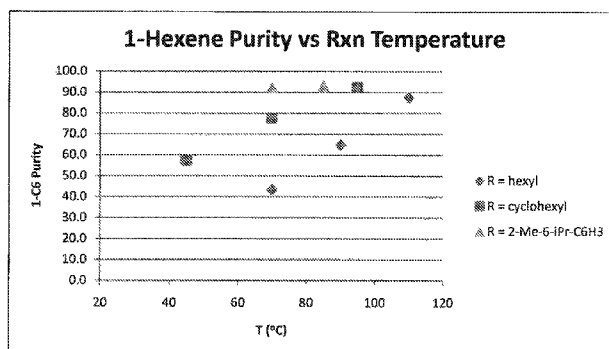


FIG. 1

(57) Abstract: This disclosure provides for a process for preparing a catalyst system comprising a) contacting a metal compound, a diphosphino aminyl ligand metal complex, and a metal alkyl for a time period to form a mixture; and b) aging the mixture. The disclosure also provides for olefin oligomerization process comprising: a) contacting i) a metal compound, ii) a diphosphino aminyl ligand, and iii) a metal alkyl to form a mixture; b) aging the mixture; c) contacting the aged mixture with an olefin monomer; and d) forming an olefin oligomer product.