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(71) Applicant: **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2211 H.H. Dow Way, Midland, Michigan 48674 (US).(72) Inventors: **CAMELIO, Andrew M.**; 1776 Building, 633 Washington Street, Midland, Michigan 48667 (US). **BAILLIE, Rhett A.**; 230 Abner Jackson Parkway, Lake Jackson, Texas 77566 (US). **KRAUSE, Matthew L.**; 693 Washington Street, Midland, Michigan 48640 (US).(74) Agent: **TWILLEY, Mark A.**; 2211 H.H. Dow Way, Midland, Michigan 48674 (US).

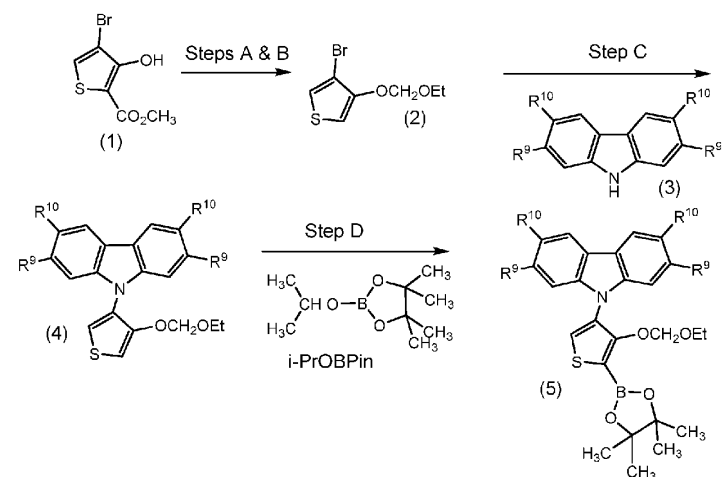
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(54) Title: SUPPORTED OLEFIN POLYMERIZATION CATALYSYS COMPRISING SUBSTITUTED 2-HYDROXYTHIOPHENE COMPOUNDS

FIG. 1

Scheme 1:



(57) Abstract: Disclosed are a supported catalyst system comprising a substituted 2-hydroxythiophene compound and a support material; and a method of making the supported catalyst system; Also disclosed are a gas phase or slurry phase polymerization process employing the supported catalyst system; and a polyolefin made by the gas phase or slurry phase polymerization process. Also disclosed are the substituted 2-hydroxythiophene compound and a precatalyst comprising the substituted 2-hydroxythiophene compound, a metal atom, and a leaving group. Also disclosed are methods of making the precatalyst and the substituted 2-hydroxythiophene compound.

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