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

(72) Inventors; and

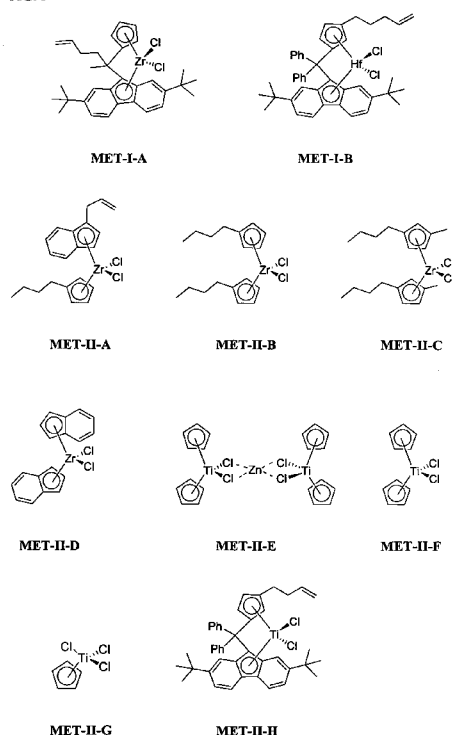
(75) Inventors/Applicants (for US only): **MURRAY, Rex E.** [US/US]; 1206 Prairie Heights Drive, Bartlesville, Oklahoma 74006 (US). **BEAULIEU, William B.** [US/US];1209 Willow Park Drive, Bartlesville, Oklahoma 74006 (US). **YANG, Qing** [CN/US]; 2917 Montrose Drive, Bartlesville, Oklahoma 74006 (US). **DING, Errun** [CN/US]; 5906 Woodland Road, Bartlesville, Oklahoma 74006 (US). **GLASS, Gary L** [US/US]; 12600 N 3980 Road, Dewey, Oklahoma 74029 (US). **SOLENERGER, Alan L** [US/US]; 1209 Prairie Heights Drive, Bartlesville, Oklahoma 74006 (US). **SECORA, Steven J.** [US/US]; 5932 Martin Lane, Bartlesville, Oklahoma 74006 (US).(74) Agents: **HUSEMAN, Cheryl L** et al.; Chevron Phillips Chemical Company LP, 10001 Six Pines Drive, The Woodlands, Texas 77380 (US).

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(54) Title: THE USE OF HYDROGEN SCAVENGING CATALYSTS TO CONTROL POLYMER MOLECULAR WEIGHT AND HYDROGEN LEVELS IN A POLYMERIZATION REACTOR

FIG. 1



(57) Abstract: The present invention provides dual catalyst systems containing a metallocene catalyst and a hydrogen scavenging catalyst, and polymerization processes employing these dual catalyst systems. Due to a reduction in hydrogen levels in the polymerization processes, olefin polymers produced from these polymerization processes may have a higher molecular weight, a lower melt index, and higher levels of unsaturation.



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