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- (71) Applicant: **EQUISTAR CHEMICALS, LP** [US/US]; One Houston Center, 1221 McKinney Street, Houston, TX 77010 (US).
- (72) Inventors: **NAGY, Sandor**; 561 Stanhope Court, Naperville, IL 60565 (US). **TSUIE, Barbara, M.**; 4125 Pillars Drive, Cincinnati, OH 45209 (US). **SARTAIN, William, J.**; 7934 Blackhawk Court, West Chester, OH 45069 (US).
- (74) Agents: **SCHUCHARDT, Jonathan, L.** et al.; Lyondell Chemical Company, 3801 West Chester Pike, Newtown Square, PA 19073 (US).
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(54) Title: BIMETALLIC INDENOINDOLYL CATALYSTS

(57) Abstract: Catalyst systems useful for olefin polymerization are disclosed. The catalysts include a bimetallic complex that incorporates two linked indenoindolyl groups, each of which is pi-bonded through its cyclopentadienyl ring to one of the metals. Compared with conventional indenoindolyl complexes, the bimetallic complexes of the invention have enhanced ability to give poly-olefins with desirably low melt indices. Certain bimetallic indenoindolyl complexes also provide a way to broaden polymer molecular weight distribution and thereby improve processability simply by regulating the amounts of comonomer and activator used in the polymerization.

