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Hustad

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(54) **CATALYST COMPOSITION COMPRISING SHUTTLING AGENT FOR TACTIC/ ATACTIC MULTI-BLOCK COPOLYMER FORMATION**

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CPC ***C08F 297/08*** (2013.01); ***C08F 295/00*** (2013.01); *C08F 4/6592* (2013.01); *C08F 4/65908* (2013.01); *C08F 2410/04* (2013.01); *C08F 2420/02* (2013.01)

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See application file for complete search history.

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(57) **ABSTRACT**

Copolymers, especially multi-block copolymer containing therein two or more segments or blocks differing in tacticity, are prepared by polymerizing propylene, 4-methyl-1-pentene, or another C_{4-8} α-olefin in the presence of a composition comprising the admixture or reaction product resulting from combining:

(A) a first metal complex olefin polymerization catalyst,

(B) a second metal complex olefin polymerization catalyst capable of preparing polymers differing in tacticity from the polymer prepared by catalyst (A) under equivalent polymerization conditions, and

(C) a chain shuttling agent.

9 Claims, 1 Drawing Sheet