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(54) **Title:** DUAL REACTOR CHAIN SHUTTLING REACTIONS FOR ETHYLENE/VINYLARENE DIBLOCK AND TRIBLOCK INTERPOLYMERS

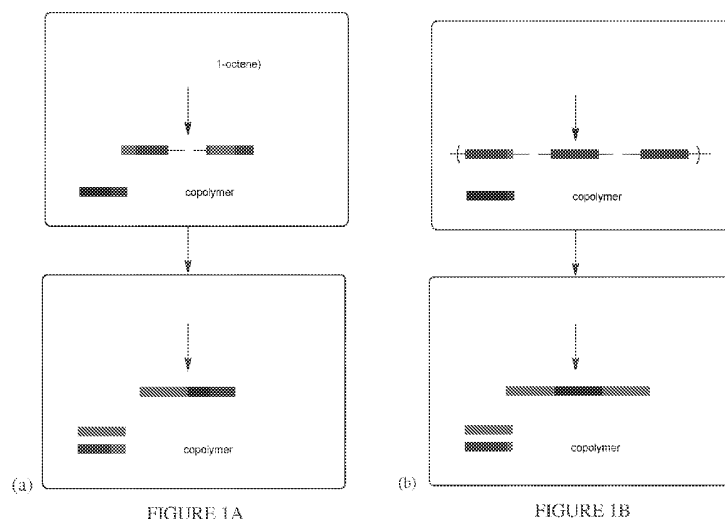


FIGURE 1A

FIGURE 1B

(57) **Abstract:** A process to form a composition comprising an ethylene/vinylarene diblock and/or triblock interpolymer, and comprising at least the following steps: A) polymerizing in a reactor A, a mixture A comprising ethylene, and optionally an alpha-olefin, and optionally a vinylarene, in the presence of at least the following: a) a metal complex S selected from the following: Formula S1, Formula S2, Formula S3, Formula S4 or Formula S5, as described herein; B) polymerizing in a reactor B, a mixture B comprising ethylene, a vinylarene, and optionally an alpha-olefin, in the presence of at least the following: b) a metal complex H selected from the following Formula H1 or Formula H2, as described herein; and wherein step A occurs before step B, or vice-versa, and at least one chain shuttling agent is fed into the first reactor. A composition comprising an ethylene/vinylarene diblock or triblock interpolymer, as described herein.

[Continued on next page]

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