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(54) Title: TRI-FUNCTIONAL LONG-CHAIN BRANCHED POLYOLEFIN

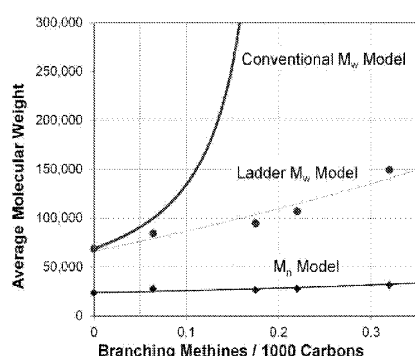
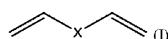


FIG. 1

(57) Abstract: Embodiments of this disclosure include polymers comprising the polymerized product of ethylene, at least one diene comonomer, and optionally at least one C_3 to C_{14} comonomer. The polymer comprises tri-functional long-chain branches resulting from the diene that occur at a frequency of at least 0.03 per 1000 carbon atoms of the polymer. The diene has a structure according to formula (I):

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[Continued on next page]

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