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(71) Applicant: **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2211 H.H. Dow Way, Midland, Michigan 48674
(US).

(72) Inventors: **PESEK, Stacy L.**; 230 Abner Jackson Parkway,
Lake Jackson, Texas 77566 (US). **MUNRO, Jeffrey C.**;
230 Abner Jackson Parkway, Lake Jackson, Texas 77566
(US). **ZHOU, Zhe**; 2301 N. Brazosport Blvd., Freeport,
Texas 77541 (US).

(74) Agent: **BARTHEL, Ted J.**; QUARLES & BRADY LLP,
411 East Wisconsin Avenue, Suite 2400, Milwaukee, Wis-
consin 53202 (US).

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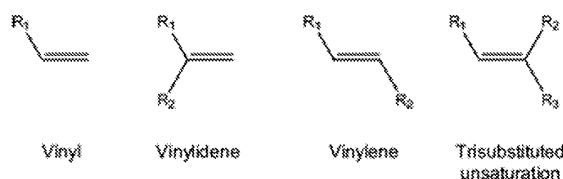
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(54) Title: ETHYLENE/BUTENE MULTI-BLOCK COPOLYMER AND PROCESS FOR PRODUCING SAME

Unsaturations

FIG. 1



Scheme . General structures and nomenclature of unsaturations in polyolefins

(57) Abstract: The present disclosure provides a process. In an embodiment, the process includes contacting ethylene and butene under polymerization conditions at a temperature greater than 125°C with a catalyst system. The catalyst system includes (i) a first polymerization catalyst having the structure of Formula (III), (ii) a second polymerization catalyst having the structure of Formula (I), and (iii) a chain shuttling agent. The process includes forming an ethylene/butene multi-block copolymer having LCB/1000C greater than or equal to 0.06. The present disclosure provides the resultant composition produced by the process. In an embodiment, the composition includes an ethylene/butene multi-block copolymer having LCB/1000C greater than or equal to 0.06.

