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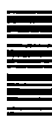


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- (71) Applicant: **EXXONMOBIL RESEARCH AND ENGINEERING COMPANY** [US/US], P.O. Box 900, 1545 Route 22 East, Annandale, NJ 08801 (US).
- (72) Inventors: **PATIL, Abhimanyu, Onkar**, 12 Evergreen Court, Westfield, NJ 07090 (US). **VARMA-NAIR, Manika**, 28 Sycamore Way, Warren, NJ 07059 (US)
- (74) Agents: **BAKUN, Estelle, C. et al**, ExxonMobil Research and Engineering Company, P.O. Box 900, Annandale, NJ 08801 (US)
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(54) Title: **CARBON MONOXIDE CONTAINING POLYMERS DERIVED FROM SYNTHESIS GAS**

(57) **Abstract:** The invention is related to an olefin-carbon monoxide-vinyl monomer terpolymer composition which is derived from an olefin feed and a synthesis gas feed and at least one vinyl monomer feed. The invention is also related to a method for preparing olefin-carbon monoxide-vinyl monomer terpolymers by heating an olefin feed, a synthesis gas feed and at least one vinyl monomer feed in the presence of a free radical polymerization initiator. More particularly, the synthesis gas feed comprises predominantly carbon monoxide and hydrogen. The terpolymers of the invention are useful as polyvinyl chloride plasticizers.