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(54) Title: A HALOGEN-FREE SYNERGIST

(57) Abstract: The disclosure provides a polymer having a backbone and a side unit of 9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-oxide bonded thereto, wherein the backbone of the polymer comprises at least one heterocyclic moiety. There is also provided a process for producing the polymer as defined herein as well as a flame retardant polyolefin formulation comprising the polymer as defined herein and a moulded article comprising the flame retardant polyolefin formulation as defined herein.



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