

ABSTRACT
FUNCTIONALISED HYDROCARBYL POLYMERS

This invention relates to a process for functionalising synthetic hydrocarbyl polymers having at least one olefinic group by (i) reacting at elevated temperature the synthetic hydrocarbyl polymer with an alkyne compound substituted with at least one electron withdrawing $-C(O)R$ or a $-CN$ group so that the olefinic group in the polymer adds across the alkyne group of the alkyne compound to form an intermediate and (ii) reacting the intermediate from step (i) above with a nucleophile to form a functionalised hydrocarbyl polymer. The functionalised polymers are useful as additives for lubricating oils and fuels.