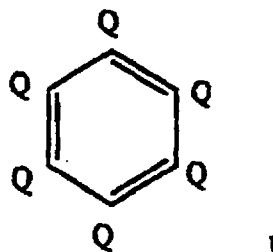
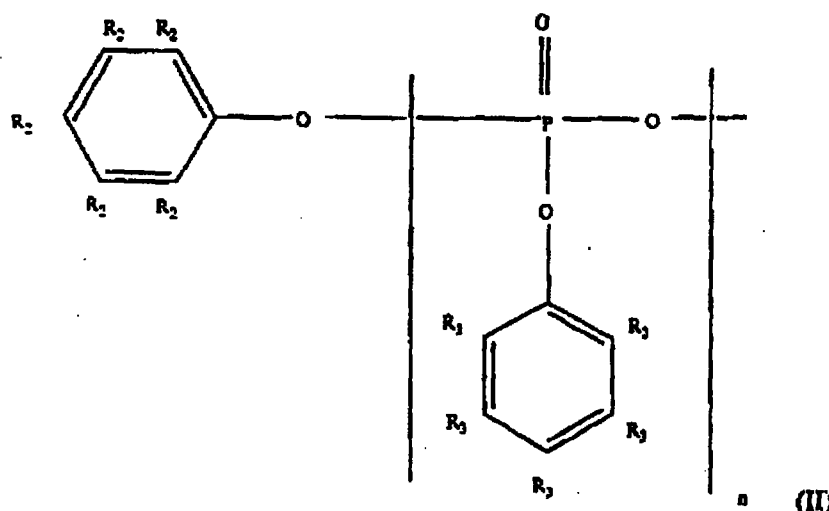


Abstract of the Invention

26 The present invention is a method of preventing fouling and coke formation on the high
temperature sections of hydrocarbon processing equipment which comes into contact with a hydrocarbon
28 fluid. The method comprises adding to a carrier prior to the carrier coming into contact with the high
temperature sections of such equipment, an effective amount of an antifoulant in its vapor phase selected
30 from the group consisting of tri-tertiary-butylphenol phosphate esters and compounds having the formula
I:



32 wherein Q is Z, or R with the proviso that two occurrences of Q are Z, R is hydrogen, or a straight or
34 branched alkyl group having from 1 to 7 carbon atoms, and only one or two occurrences of R may be
alkyl. Z is represented by the formula II:



36 wherein R₂ and R₃ are the same as R and only one or two occurrences of each of R₂ and R₃ may be
38 alkyl, and "n" is a whole number of from 1 to 9, and mixtures thereof.

