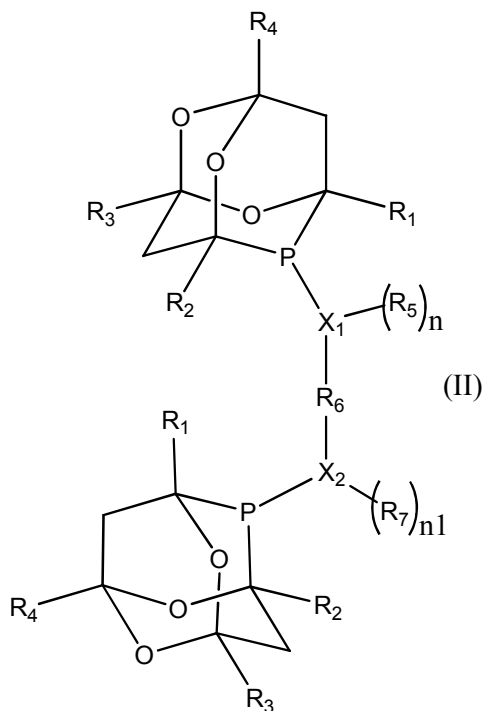
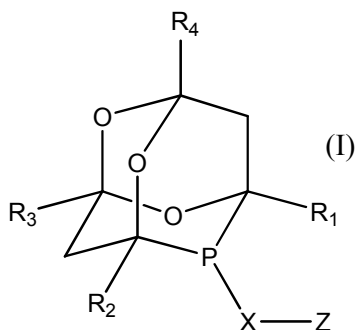


ABSTRACT

**ORGANOPHOSPHORUS COMPOUNDS, CATALYTIC SYSTEMS COMPRISING SAID
COMPOUNDS AND METHOD OF HYDROCYANATION OR OF
HYDROFORMYLATION USING SAID CATALYTIC SYSTEMS**

The present invention relates to organophosphorus compounds, catalytic systems comprising a metallic element forming a complex with said organophosphorus compounds and methods of hydrocyanation and of hydroformylation employed in the presence of said catalytic systems.

The present invention proposes organophosphorus compounds of the following general formulae (I) or (II):



in which:

- $R_1, R_2, R_3, R_4, R_5, R_7$ and Z , which may be identical or different, represent a hydrogen atom, a linear or branched alkyl radical having from 1 to 12 carbons which can contain heteroatoms, a radical comprising a substituted or unsubstituted aromatic or cycloaliphatic radical which can comprise heteroatoms, a carbonyl, alkoxycarbonyl or alkoxy radical, a halogen atom, a nitrile group or a haloalkyl group having 1 to 12 carbon atoms
- X, X_1 and X_2 , which may be identical or different, represent an oxygen, nitrogen, sulphur, carbon or silicon atom
- R_6 represents a covalent bond, a linear or branched aliphatic radical, a radical comprising a substituted or unsubstituted aromatic or cycloaliphatic ring or several aromatic rings, condensed or joined together by a bond
- n and n_1 , which may be identical or different, are integers respectively equal to the valency of elements X_1, X_2 reduced by 2.

No suitable Fig.