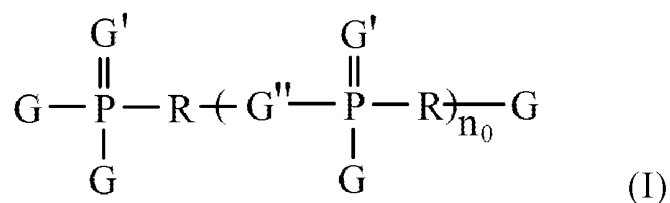


Abstract

The present invention provides an organophosphorus compound, a preparation process and use thereof. The organophosphorus compound of the present invention has a structure as represented by the general formula (I):



5

The groups are defined in the description. The organophosphorus compound of the present invention has prominent bearing capacity and excellent antiwear and antifriction performances, and can be used as an extreme pressure antiwear additive and used in lubricating oil and lubricating grease.

10

Fig. 1