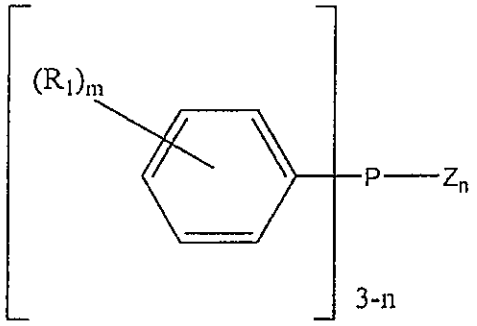
# PROCESS FOR PRODUCING NITRILE COMPOUNDS FROM ETHYLENICALLY UNSATURATED COMPOUNDS


## ABSTRACT

The present invention relates to a process for the hydrocyanation of ethylenically unsaturated organic compounds to give compounds comprising at least one nitrile function.

The present invention proposes a process for the hydrocyanation of a hydrocarbon-based compound comprising at least one ethylenic unsaturation, by reaction, in a liquid medium, with hydrogen cyanide in the presence of a catalyst comprising a metal element chosen from transition metals and an organophosphorus ligand, characterized in that the organophosphorus ligand is a compound of formula (I):




(I)

The present invention is in particular of use for the synthesis of adiponitrile from butadiene.

No Fig.