

Abstract**Process for the alkoxycarbonylation of olefins in a medium having a low Brønsted acid concentration**

Process comprising the following process steps:

- 5 a) introducing an ethylenically unsaturated compound;
- b) adding a ligand-metal complex comprising Pd and a bidentate phosphine ligand, or adding a bidentate phosphine ligand and a compound which comprises Pd;
- c) adding an alcohol;
- d) supplying CO;
- 10 e) heating the reaction mixture, the ethylenically unsaturated compound being reacted to form an ester,

where the reaction mixture is admixed with less than 0.1 mol%, based on the amount of substance of the ethylenically unsaturated compound, of Brønsted acids having an acid strength of $\text{pK}_a \leq 3$,

- 15 characterized in that the phosphine ligand is substituted on at least one phosphorus atom by at least one heteroaryl radical.

(No drawing to be published)