Title (en)
PROCESS FOR THE CARBONYLATION OF ETHYLENICALLY OR ACETYLENICALLY UNSATURATED COMPOUNDS

Title (de)
VERFAHREN ZUR CARBONYLIERUNG VON ETHYLENISCH ODER ACETYLENISCH UNGESÄTTIGTEN VERBINDUNGEN

Title (fr)
PROCEDE DE CARBONYLATION D'UN DIENE CONJUGE

Publication
EP 1735263 A1 20061227 (EN)

Application
EP 05716797 A 20050225

Priority
- EP 2005050803 W 20050225
- EP 04251065 A 20040226
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- EP 04257283 A 20041124

Abstract (en)
[origin: WO2005082830A1] A process for the carbonylation of unsaturated compounds by contacting the unsaturated compound with carbon monoxide in the presence of a catalyst system comprising: (a) a source of palladium and/or platinum; and (e) an unsymmetrical bidentate diphosphine ligand of formula (I), R<1>R<2> > P<1> - R<3> - P<2> < R<4>R<5> (I) wherein P<1> andp P<2> represent phosphorus atoms; R<3> represents a divalent organic bridging group; and R<1>, R<2>, R<4> and R<5> each individually, or R<l> and R<2> jointly, and/or R<4> and R<5> jointly represent organic groups that are covalently linked to the phosphorus; and wherein R<1>, R<2>, R<4> and R<5> are chosen in such way, that the phosphino group R<1>R<2> > P<1> differs from the phosphino group P<2> >< R<4>R<5>.

IPC 8 full level
C07C 67/38 (2006.01); **B01J 31/24** (2006.01); **C07C 51/14** (2006.01); **C07F 9/28** (2006.01); **C07F 9/655** (2006.01); **C07F 9/6568** (2006.01); **C07F 9/6571** (2006.01)

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See references of WO 2005082830A1

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