

Title (en)

METHOD FOR FORMING A CARBON-CARBON OR CARBON-HETEROATOM LINKAGE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER KOHLENSTOFF-KOHLENSTOFF ODER KOHLENSTOFF-HETEROATOMBINDUNG

Title (fr)

PROCEDE DE FORMATION D'UNE LIAISON CARBONE-CARBONE OU CARBONE-HETEROATOME.

Publication

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Application

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Abstract (en)

[origin: WO03053885A1] The invention concerns a method for generating a carbon-carbon or carbon-heteroatom linkage by reacting an unsaturated compound bearing a leaving group and a nucleophilic compound. The invention also concerns generating a carbon-nitrogen linkage using a process for arylation of nitrogenous organic derivatives. The inventive method for generating a carbon-carbon or carbon-heteroatom linkage by reacting an unsaturated compound bearing a leaving group and a nucleophilic compound inputting a carbon atom or a heteroatom (HE) capable of being substituted for the leaving group thereby creating a C-C or C-HE linkage is characterized in that the reaction is carried out in the presence of an efficient amount of a catalyst based on a metal element M selected in the group (VIII), (Ib) and (IIb) of the periodic table of elements and at least a ligand at least bidentate comprising at least two chelating atoms which are at least an oxygen atom and at least a nitrogen atom.

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