Title (en)

METHOD FOR ALLYLATING AND VINYLATING ARYL, HETEROARYL, ALKYL, AND ALKENE HALOGENIDES USING TRANSITION METAL CATALYSIS

Title (de)

VERFAHREN ZUR ALLYLIERUNG UND VINYLIERUNG VON ARYL-, HETEROARYL-, ALKYL- UND ALKENYLHALOGENIDEN UNTER ÜBERGANGSMETALLKATALYSE

Title (fr)

PROCÉDÉ D'ALKYLATION ET DE VINYLATION D'HALOGÉNURES D'ARYLE, D'HÉTÉROARYLE, D'ALKYLE ET ALCÉNYLE PAR CATALYSE PAR LES MÉTAUX DE TRANSITION

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Application

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Abstract (en)

[origin: WO2011098375A2] The invention relates to a method for producing organic compounds of the general formula (I) R-R' (I), by reacting a corresponding compound of the general formula (II) R-X (H), where X stands for fluorine, chlorine, bromine, or iodine, forming a magnesium organic compound of the general formula (III) [M+]n [RmMgXkY1] (III), compounds of the formula (III) being reacted with a compound of the general formula (IV), characterized in that the reaction of (III) with (IV) is performed in the presence of a) catalytic quantities of an iron compound, relative to the compound of the general formula (II), and optionally in the presence b) of an additive comprising nitrogen, oxygen, and/or phosphorous in a catalytic or stoichiometric quantity relative to the compound of the general formula (II).

IPC 8 full level

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Citation (search report)

See references of WO 2011098375A2

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