

Title (en)

NICKEL OR IRON CATALYSED CARBON-CARBON COUPLING REACTION OF ARYLENES, ALKENES AND ALKINES

Title (de)

NICKEL- ODER EISEN-KATALYSIERTE KOHLENSTOFF-KOHLENSTOFF-KUPPLUNGSREAKTION VON ARYLENEN, ALKENEN UND ALKINEN

Title (fr)

REACTION DE COUPLAGE CARBONE-CARBONE ENTRE ARYLENES, ALCENES ET ALCYNES, CATALYSEE PAR NICKEL OU FER

Publication

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Application

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Abstract (en)

[origin: WO2007031511A1] According to the invention, organozink compounds of R¹-Ar¹-ZnY (1) type are convertible, with different functionalised aryl halides R²-Ar²-X (2) in the presence of Ni or Fe catalytic quantities in a polar solvent or a polar solvent mixture, into a polyfunctional biarylene of R¹-Ar¹-AR²-R² (3) type. The type (1) organic compounds are obtainable by a transmetallisation reaction of aryl-magnesium halides or lithium-aryl compounds, for example with ZnBr₂.

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