

Title (en)
METHOD OF PRODUCING RUTHENIUM COMPLEXES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON RUTHENIUMKOMPLEXEN

Title (fr)
PROCEDE POUR PREPARER DES COMPLEXES DE RUTHENIUM

Publication
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Application
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Abstract (en)
[origin: DE19854869A1] The invention relates to a method of producing ruthenium complexes of general formula (I): $RuX_2(=CH-CH_2R)L_{<1>}L_{<2>}$, wherein X is an anionic ligand, R is hydrogen or an optionally substituted C1-20 alkyl radical or C6-20 aryl radical, and $L_{<1>}$ and $L_{<2>}$ independently are neutral electron-donor ligands. Said ruthenium complexes are produced by a) reacting RuX_3 with a diene in a solvent on the basis of one or several aliphatic secondary alcohols in the presence of a reducing adjuvant, reacting said mixture with $L_{<1>}$ and $L_{<2>}$ in the presence of at least one coordinating weak base and hydrogen and without isolating any intermediates, b) reacting the mixture with compounds of general formula (II): $R-C=CH$, wherein R has the meaning indicated above, in the presence of a soluble chloride source.

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