

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

EP 99959310 A 19991123

Priority

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Abstract (en)

[origin: DE19854869A1] The invention relates to a method of producing ruthenium complexes of general formula (I): $\text{RuX}_2(\text{=CH-CH}_2\text{R})\text{L}_{<1>}\text{L}_{<2>}$, wherein X is an anionic ligand, R is hydrogen or an optionally substituted C1-20 alkyl radical or C6-20 aryl radical, and $\text{L}_{<1>}$ and $\text{L}_{<2>}$ 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 $\text{L}_{<1>}$ and $\text{L}_{<2>}$ 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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