

Title (en)
ORGANOMETALLIC COMPOUNDS

Title (de)
METALLORGANISCHE VERBINDUNGEN

Title (fr)
COMPOSÉS ORGANOMÉTALLIQUES

Publication
EP 4126890 A1 20230208 (DE)

Application
EP 20717141 A 20200401

Priority
EP 2020059264 W 20200401

Abstract (en)
[origin: WO2021197598A1] The invention relates to a one-pot method for producing oxido(tetraalkoxido)tungsten compounds in accordance with the general formula $[W(O)(OR)_4]$ (I), proceeding from WCl_6 , hexamethyldisiloxane, an alcohol ROH and an amine or NH_3 gas. The invention further relates to the use of a compound $[W(O)(OR)_4]$ (I) and to a substrate, which on one surface has a tungsten layer or a layer containing tungsten, which are suitable for producing photovoltaic elements, semiconductor elements or vehicle exhaust gas catalysts. The method permits the production of defined products in a simple, cost-effective and reproducible manner with high purity and good to very good yields.

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