

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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**C07F 11/00** (2006.01)

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**C07F 11/00** (2013.01 - KR); **C07F 11/005** (2013.01 - EP US)

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