

Title (en)

OXYGEN-BRIDGED BIMETALLIC COMPLEX, THE PRODUCTION THEREOF AND ITS UTILIZATION FOR POLYMERIZATION CATALYSIS

Title (de)

SAUERSTOFFVERBRÜCKTER BIMETALLISCHER KOMPLEX, DESSEN HERSTELLUNG UND VERWENDUNG FÜR DIE POLYMERISATIONS-KATALYSE

Title (fr)

COMPLEXE BIMETALLIQUE PONTE PAR OXYGENE, SA PRODUCTION ET SON UTILISATION POUR LA CATALYSE DE POLYMERISATION

Publication

EP 1725571 A1 20061129 (DE)

Application

EP 05716071 A 20050315

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Abstract (en)

[origin: WO2005090373A1] The binuclear, oxygen-bridged, hetero-bimetallic complexes of general formula $[(LM<1>R<1>)(Cp_2M<2>R<2>)]\eta^2-O$ are suitable as polymerization catalysts for olefin polymerization. ($M<1>=$ Al, Ge, Zr or Ti; $M<2>=$ Zr, Ti or Hf; Cp = cyclopentadienyl; $R<1>$, $R<2>=$ methyl, ethyl, i-propyl, t-butyl, halogen, phenyl, alkylphenyl, SiMe₃; L = bidental, doubly nitrogen-coordinated organochemical ligand, which together with metal $M<1>$ form a 5- or six membered ring). These complexes have very good catalytic activity, good useful life and require less cocatalysts.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **C08F 110/02 + C08F 4/52**
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Citation (search report)

See references of WO 2005090373A1

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