

Title (en)

ORGANOMETALLIC COMPOUNDS AND DEVICES MADE WITH SUCH COMPOUNDS

Title (de)

ORGANOMETALLISCHE ZUSAMMENSETZUNGEN UND MIT SOLCHEN ZUSAMMENSETZUNGEN HERGESTELLTE EINRICHTUNGEN

Title (fr)

COMPOSÉS ORGANOMÉTALLIQUES ET DISPOSITIFS FAITS DE CES COMPOSÉS

Publication

**EP 1754267 A1 20070221 (EN)**

Application

**EP 05759481 A 20050608**

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Abstract (en)

[origin: WO2005124889A1] The present invention is generally directed to organometallic compounds having Formula (I), Formula (II), or Formula (III) and devices having a layer including at least one of these compounds: (I), (II), (III) wherein: L<1> is selected from an aryl-N-heterocycle ligand and a heteroaryl-N-heterocycle ligand, L<2> is an anionic ligand, L<3> is a nonionic ligand, L<4> is selected from L<1> and L<2> M is a metal selected from Re, Ru, Os, Rh, Ir, Pd, Pt, and Au Fw is a moiety capable of bearing at least two (L<4>-Ye) groups Y is a group selected from alkylene, heteroalkylene, alkenylene, heteroalkenylene, and alkynylene a is selected from 1 and 2 b is selected from 0 and 1 c is selected from 0, 1, and 2 d is selected from 0 and an integer from 1 through 8 e is selected from 0 and 1 f is selected from 0 and 1 g is an integer from 1 through 4, and h is selected from 1 and 2, with the proviso that a, b, and c are selected such that the metal is tetracoordinate when M is Au, Pd, or Pt, and the metal is hexacoordinate when M is Re, Ru, Os, Rh, or Ir, and with the proviso that when f = 0, then e = 0 and there is at least one substituent R<sub>g1</sub> on at least one ligand, wherein R<sub>g1</sub> is solvent-solubilizing. .

IPC 8 full level

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Citation (search report)

See references of WO 2005124889A1

Cited by

WO2012084219A1; US10340471B2; US10854835B2; US11631825B2

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