

Title (en)

CHEMICAL VAPOUR DEPOSITION OF PTSI FROM ORGANOMETALLIC COMPLEXES OF PT

Title (de)

CHEMISCHE GASPHASENABSCHEIDUNG VON PTSI AUS ORGANOMETALLISCHEN PT-KOMPLEXEN

Title (fr)

DÉPÔT CHIMIQUE EN PHASE VAPEUR DE PTSI À PARTIR DE COMPLEXES ORGANOMÉTALLIQUES DE PT

Publication

EP 2805369 A2 20141126 (FR)

Application

EP 13707045 A 20130116

Priority

- FR 1250458 A 20120117
- IB 2013050397 W 20130116

Abstract (en)

[origin: WO2013108189A2] The present invention relates to the use, as a precursor for the chemical vapour deposition of PtSi at the surface of a support, of at least one organometallic complex of Pt comprising at least: - a ligand having a cyclic structure that comprises at least two non-adjacent C=C double bonds, or two ligands having a cyclic structure that each comprise a C=C double bond; and - a ligand chosen from *O-Si(R)3 and *N-(Si(R')3)2, with: the R units being chosen, independently of one another, from (C1-C4)alkoxy groups; the R' units being chosen, independently of one another, from (C1-C4)alkyl and (C3-C4)cycloalkyl groups; and * representing the coordination of the ligand to the platinum.

IPC 8 full level

H01M 4/92 (2006.01); **C23C 16/42** (2006.01); **H01M 4/88** (2006.01)

CPC (source: EP US)

C23C 16/42 (2013.01 - EP US); **H01M 4/8807** (2013.01 - EP US); **H01M 4/8867** (2013.01 - EP US); **H01M 4/9008** (2013.01 - US); **H01M 4/9041** (2013.01 - US); **H01M 4/921** (2013.01 - EP US); **H01M 4/925** (2013.01 - EP US); **H01M 8/10** (2013.01 - US); **H01M 2008/1095** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2013108189A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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