

Title (en)

METAL COMPLEXES FOR GAS-PHASE THIN-FILM DEPOSITION

Title (de)

METALLKOMPLEXE FÜR GASPHASEN-DÜNNSCHICHTABSCHIEDUNG

Title (fr)

COMPLEXES MÉTALLIQUES POUR DÉPÔT DE COUCHE MINCE EN PHASE GAZEUSE

Publication

EP 3947405 A1 20220209 (DE)

Application

EP 20713663 A 20200327

Priority

- EP 19165935 A 20190328
- EP 2020058865 W 20200327

Abstract (en)

[origin: WO2020193794A1] The invention relates to metal complexes of formula (I): $[M(L_1)_x(L_2)_y(hydra)_z]_n$ formula (I) wherein: M = metal atom of an atomic number selected from the ranges a) to c): a) 12, 21 to 34, with the exception of 30, b) 39 to 52, with the exception of 48, c) 71 to 83, with the exception of 80, L₁ = neutral or anionic ligand, with x = 0 or 1, L₂ = neutral or anionic ligand, with y = 0 or 1, (hydra) = acetone dimethylhydrazone monoanion, with z = 1, 2 or 3, n = 1 or 2, and the total charge of the complex is 0.

IPC 8 full level

C07F 5/00 (2006.01); **C07F 17/02** (2006.01); **C23C 16/18** (2006.01); **C23C 16/455** (2006.01)

CPC (source: EP KR US)

C07F 5/00 (2013.01 - EP KR); **C07F 15/0033** (2013.01 - US); **C07F 15/0046** (2013.01 - KR US); **C07F 17/02** (2013.01 - EP KR); **C23C 16/18** (2013.01 - EP KR US); **C23C 16/45553** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2020193794A1

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DOCDB simple family (application)

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