

Title (en)
TRANSITION METAL COMPOUND

Title (de)
ÜBERGANGSMETALLVERBINDUNG

Title (fr)
COMPOSE METALLIQUE DE TRANSITION

Publication
EP 0868441 A2 19981007 (DE)

Application
EP 96944017 A 19961219

Priority
• DE 19548298 A 19951222
• DE 19624466 A 19960619
• EP 9605717 W 19961219

Abstract (en)
[origin: WO9723512A1] The present invention relates to a compound with the general formula (I): LnAmMX_k , in which L is a borata benzene ligand of the general formula (II), in which the radicals R are identical or different and are a hydrogen atom or a C1-C10-carbon-containing group, A corresponds to a pi -ligand such as cyclopentadienyl, M is a metal of group IVb of the periodic system of elements, and X are identical or different and are a hydrogen atom, a C1-C40-carbon-containing group, an OH group, a halogen atom or $\text{NR}_2<2>$, n is a whole number 1 or 2, m is a whole number 0 or 1 and k is a whole number from 1 to 3, the sum of n+m+k being 3 or 4. The present invention also relates to a process for the preparation of the transition metal compound and the use thereof as catalyst constituent when preparing polyolefins.

[origin: WO9723512A1] The present invention relates to a compound with the general formula (I): LnAmMX_k , in which L is a borata benzene ligand of the general formula (II), in which the radicals R are identical or different and are a hydrogen atom or a C1-C10-carbon-containing group, A corresponds to a pi -ligand such as cyclopentadienyl, M is a metal of group IVb of the periodic system of elements, and X are identical or different and are a hydrogen atom, a C1-C40-carbon-containing group, an OH group, a halogen atom or $\text{NR}_2<2>$, n is a whole number 1 or 2, m is a whole number 0 or 1 and k is a whole number from 1 to 3, the sum of n+m+k being 3 or 4. The present invention also relates to a process for the preparation of the transition metal compound and the use thereof as catalyst constituent when preparing polyolefins.

IPC 1-7
C08F 4/64; **C07F 5/02**; **C07F 17/00**

IPC 8 full level
C07F 5/02 (2006.01); **C07F 7/00** (2006.01); **C07F 7/28** (2006.01); **C07F 17/00** (2006.01); **C07F 19/00** (2006.01); **C08F 4/64** (2006.01); **C08F 4/642** (2006.01); **C08F 4/659** (2006.01); **C08F 10/00** (2006.01)

CPC (source: EP KR)
C07F 17/00 (2013.01 - EP KR); **C08F 4/65908** (2013.01 - KR); **C08F 4/65912** (2013.01 - KR); **C08F 4/65916** (2013.01 - KR); **C08F 4/6592** (2013.01 - KR); **C08F 10/00** (2013.01 - EP KR); **C08F 110/02** (2013.01 - KR); **C08F 4/659** (2013.01 - EP); **C08F 4/65912** (2013.01 - EP)

Designated contracting state (EPC)
AT BE DE ES FI FR GB IT NL SE

DOCDB simple family (publication)
WO 9723512 A1 19970703; BR 9612165 A 19991228; CA 2240452 A1 19970703; CN 1209141 A 19990224; EP 0868441 A2 19981007; JP 2000503001 A 20000314; KR 19990076684 A 19991015; NO 982855 D0 19980619; NO 982855 L 19980821

DOCDB simple family (application)
EP 9605717 W 19961219; BR 9612165 A 19961219; CA 2240452 A 19961219; CN 96180062 A 19961219; EP 96944017 A 19961219; JP 52330797 A 19961219; KR 19980704796 A 19980622; NO 982855 A 19980619