

Title (en)

TRANSITION METAL COMPOUNDS WITH DONOR-ACCEPTOR INTERACTION AND A SPECIAL SUBSTITUTION PATTERN

Title (de)

ÜBERGANGSMETALLVERBINDUNGEN MIT DONOR-AKZEPTOR-WECHSELWIRKUNG UND SPEZIELLEM SUBSTITUTIONSMUSTER

Title (fr)

COMPOSES A BASE DE METAL DE TRANSITION PRESENTANT UNE INTERACTION DONNEUR-ACCEPTEUR ET UN MODELE DE SUBSTITUTION SPECIFIQUE

Publication

**EP 1546165 A1 20050629 (DE)**

Application

**EP 03747996 A 20030910**

Priority

- DE 10244214 A 20020923
- EP 0310022 W 20030910

Abstract (en)

[origin: US2004059073A1] The present invention relates to compounds in which a transition metal is complexed by at least two ligand systems and at least two of the systems are reversibly joined to one another by at least one bridge comprising a donor and an acceptor, wherein at least one fluorenyl ligand is present and at least one substituent on the acceptor group is an alkyl or aryl radical. The invention further relates to the use of these compounds having a donor-acceptor interaction as polymerization catalysts for preparing high molecular weight elastomers.

IPC 1-7

**C07F 17/00**; **C08F 10/00**

IPC 8 full level

**C07F 17/00** (2006.01); **C08F 10/00** (2006.01); **C08F 4/659** (2006.01); **C08F 4/6592** (2006.01); **C08F 110/02** (2006.01); **C08F 110/06** (2006.01); **C08F 210/16** (2006.01); **C08F 210/18** (2006.01)

CPC (source: EP US)

**C07F 17/00** (2013.01 - EP US); **C08F 10/00** (2013.01 - EP US); **C08F 4/65904** (2013.01 - EP US); **C08F 4/65912** (2013.01 - EP US); **C08F 4/65916** (2013.01 - EP US); **C08F 4/6592** (2013.01 - EP US); **C08F 110/02** (2013.01 - EP US); **C08F 110/06** (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US); **C08F 210/18** (2013.01 - EP US); **Y10S 526/943** (2013.01 - EP US)

Citation (search report)

See references of WO 2004029065A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2004059073 A1 20040325**; **US 7169865 B2 20070130**; AU 2003267333 A1 20040419; DE 10244214 A1 20040401; EP 1546165 A1 20050629; TW 200417549 A 20040916; WO 2004029065 A1 20040408

DOCDB simple family (application)

**US 66771103 A 20030922**; AU 2003267333 A 20030910; DE 10244214 A 20020923; EP 0310022 W 20030910; EP 03747996 A 20030910; TW 92126039 A 20030922