

Title (en)
OLEFIN POLYMERISATION PROCESS USING A CATALYST OBTAINABLE BY COMBINING A BIDENTATE P/N LIGAND, A METAL CATION SOURCE AND AN ANION SOURCE

Title (de)
VERFAHREN ZUR OLEFINPOLYMERISATION MITTELS EINES KATALYSATORS ERHÄLTICH DURCH KOMBINATION EINES ZWEIZÄHNIGEN P/N LIGANDEN, EINER METALLKATIONENQUELLE UND EINER ANIONENQUELLE

Title (fr)
PROCEDE POUR LA POLYMERISATION DES OLEFINS UTILISANT UN CATALYSEUR SUSCEPTIBLE D'ETRE OBTENU PAR COMBINAISON D'UN LIGAND P/N BIDENTATE, UN SOURCE DES CATIONS DE METAUX ET UN SOURCE DES ANIONS

Publication
EP 0969928 A1 20000112 (EN)

Application
EP 98913746 A 19980324

Priority

- EP 98913746 A 19980324
- EP 9801902 W 19980324
- EP 97200901 A 19970325
- EP 97201295 A 19970429

Abstract (en)
[origin: WO9842440A1] A catalyst suitable for the polymerization of ethylenically unsaturated compounds. A bidentate ligand with general formula (I) in which X = P, As, Sb, n = 0 or 1, R1, R2 = alkyl, alkoxy, aryloxy, cycloalkyl or a substituted or non-substituted (cyclo)aliphatic, (cyclo)olefinic or aromatic group with 1-24 C-atoms, or R1 and R2 may form together a substituted or non-substituted cycloaliphatic, cyclo-olefinic or aromatic group, R3, R4, R7, R8 = H, alkyl, alkoxy, aryloxy, cycloalkyl or a substituted or non-substituted (cyclo)aliphatic, (cyclo)olefinic or aromatic group with 1-24 C-atoms, and if n = 1:R5 and/or R6 = H, alkyl, alkoxy, aryloxy, cycloalkyl or a substituted or non-substituted (cyclo)aliphatic, (cyclo)olefinic or aromatic group with 1-24 C-atoms, and C' and C" together with R3 and R6 may form a substituted or non-substituted (cyclo)aliphatic, (cyclo)olefinic or aromatic group, R4 and R5 being absent in this case, or C' and C" may form an olefinic bond, R4 and R5 being absent in this case, with a source of cations of a metal of group 8, 9 or 10 of the Periodic Table of Elements and an acid having a pKa of less than 4.

IPC 1-7
B01J 31/18; C08F 4/80; C08F 10/00

IPC 8 full level
B01J 31/18 (2006.01); **B01J 31/24** (2006.01); **C08F 4/26** (2006.01); **C08F 4/80** (2006.01); **C08F 10/00** (2006.01)

CPC (source: EP)
B01J 31/1805 (2013.01); **B01J 31/24** (2013.01); **B01J 31/2409** (2013.01); **C08F 10/00** (2013.01); **B01J 31/1895** (2013.01); **B01J 2531/80** (2013.01); **B01J 2531/824** (2013.01)

Citation (search report)
See references of WO 9842440A1

Designated contracting state (EPC)
DE FR GB IT NL PT

DOCDB simple family (publication)
WO 9842440 A1 19981001; AU 6832198 A 19981020; AU 732207 B2 20010412; BR 9808043 A 20000308; CA 2285080 A1 19981001; CN 1251056 A 20000419; EP 0969928 A1 20000112; JP 2001518134 A 20011009; TW 472066 B 20020111

DOCDB simple family (application)
EP 9801902 W 19980324; AU 6832198 A 19980324; BR 9808043 A 19980324; CA 2285080 A 19980324; CN 98803699 A 19980324; EP 98913746 A 19980324; JP 54491098 A 19980324; TW 87106550 A 19980428