

Title (en)

IMPROVED PRODUCTIVITY CATALYSTS AND MICROSTRUCTURE CONTROL

Title (de)

KATALYSATOREN MIT VERBESSERTER PRODUKTIVITÄT UND MIKROSTRUKTURSTEUERUNG

Title (fr)

CATALYSEURS A PRODUCTIVITE AMELIOREE ET REGULATION DE MICROSTRUCTURE

Publication

EP 1351997 A2 20031015 (EN)

Application

EP 01992727 A 20011106

Priority

- US 0142977 W 20011106
- US 24625400 P 20001106
- US 24625500 P 20001106
- US 24617800 P 20001106
- US 29889301 P 20010619

Abstract (en)

[origin: WO0236641A2] Improved Group 3-11 transition metal based catalysts and processes for the polymerization of olefins are described. Some of the ligands are characterized by a preferred substitution pattern which allows for higher productivities of highly branched olefins; substitution patterns which boost productivity or alter the polymer microstructure are also described.

IPC 1-7

C08F 4/26; C08F 4/70; C08F 4/64; C07C 251/24; C07C 211/26; C08F 110/02

IPC 8 full level

C07C 211/26 (2006.01); **C07C 251/24** (2006.01); **C07D 207/50** (2006.01); **C07D 339/08** (2006.01); **C07F 15/04** (2006.01); **C08F 4/26** (2006.01); **C08F 4/64** (2006.01); **C08F 4/70** (2006.01); **C08F 10/00** (2006.01); **C08F 110/02** (2006.01)

CPC (source: EP)

C07C 211/26 (2013.01); **C07C 251/24** (2013.01); **C07D 207/50** (2013.01); **C07D 339/08** (2013.01); **C07F 7/003** (2013.01); **C07F 15/045** (2013.01); **C08F 10/00** (2013.01); **C08F 110/02** (2013.01)

Citation (search report)

See references of WO 0236641A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0236641 A2 20020510; **WO 0236641 A3 20030417**; EP 1351997 A2 20031015

DOCDB simple family (application)

US 0142977 W 20011106; EP 01992727 A 20011106