

Title (en)  
ZIEGLER-NATTA CATALYST FOR POLYOLEFINS

Title (de)  
ZIEGLER-NATTA-KATALYSATOR FÜR POLYOLEFINE

Title (fr)  
CATALYSEUR ZIEGLER-NATTA POUR POLYOLEFINES

Publication  
**EP 1673166 A1 20060628 (EN)**

Application  
**EP 04783311 A 20040907**

Priority  
• US 2004029019 W 20040907  
• US 66757803 A 20030922  
• US 66754603 A 20030922  
• US 68564303 A 20031015

Abstract (en)  
[origin: WO2005032714A1] A Ziegler-Natta type catalyst component can be produced by a process comprising contacting a magnesium dialkoxide compound with a halogenating agent to form a reaction product A, and contacting reaction product A with a first, second and third halogenating/titanating agents. Catalyst components, catalysts, catalyst systems, polyolefin, products made therewith, and methods of forming each are disclosed. The reaction products can be washed with a hydrocarbon solvent to reduce titanium species [Ti] content to less than about 100 mmol/L.

IPC 1-7  
**B01J 31/00**; **C08F 4/02**; **C08F 4/60**

IPC 8 full level  
**B01J 31/02** (2006.01); **B01J 31/32** (2006.01); **B01J 31/38** (2006.01); **C08F 10/00** (2006.01); **C08F 110/02** (2006.01)

CPC (source: EP KR)  
**B01J 31/0212** (2013.01 - EP); **B01J 31/32** (2013.01 - EP); **B01J 31/38** (2013.01 - EP); **C08F 4/02** (2013.01 - KR); **C08F 10/00** (2013.01 - EP KR); **C08F 110/00** (2013.01 - KR); **C08F 110/02** (2013.01 - KR); **B01J 2231/122** (2013.01 - EP); **C08F 110/02** (2013.01 - EP); **C08F 2410/06** (2021.01 - EP)

C-Set (source: EP)  
1. **C08F 10/00** + **C08F 4/6557**  
2. **C08F 10/00** + **C08F 4/651**  
3. **C08F 10/00** + **C08F 4/6546**  
4. **C08F 110/02** + **C08F 2500/12** + **C08F 2500/02** + **C08F 2500/23** + **C08F 2500/07** + **C08F 2500/18** + **C08F 2500/04**  
5. **C08F 110/02** + **C08F 2500/12** + **C08F 2500/02** + **C08F 2500/23** + **C08F 2500/07** + **C08F 2500/18** + **C08F 2500/04** + **C08F 2500/24**

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005032714 A1 20050414**; BR PI0414649 A 20061114; CA 2536804 A1 20050414; EP 1673166 A1 20060628; EP 1673166 A4 20090617; JP 2007505970 A 20070315; JP 4976129 B2 20120718; KR 20060126929 A 20061211; MX PA06003170 A 20060605; TW 200528190 A 20050901

DOCDB simple family (application)  
**US 2004029019 W 20040907**; BR PI0414649 A 20040907; CA 2536804 A 20040907; EP 04783311 A 20040907; JP 2006526927 A 20040907; KR 20067004852 A 20060309; MX PA06003170 A 20040907; TW 93128591 A 20040921