

Title (en)
PROCESS FOR THE POLYMERIZATION OF ETHYLENE AND A SMALL AMOUNT OF A DIENE

Title (de)
VERFAHREN ZUR POLYMERISATION VON ETHYLEN MIT EINER KLEINEN MENGE EINES DIEN

Title (fr)
PROCEDE DE POLYMERISATION D'ETHYLENE UTILISANT UNE PETITE QUANTITE DE DIENE

Publication
EP 1263816 A1 20021211 (EN)

Application
EP 01905317 A 20010131

Priority
• US 0103273 W 20010131
• US 50700700 A 20000222

Abstract (en)
[origin: WO0162808A1] Disclosed is a polymerization process utilizing a low level of diene to control the polymer product's melt index ratio independently of the melt index and density. The process of the invention produces polymers with enhanced processability. More specifically the process produces ethylene based polymers, prepared in gas phase polymerization processes utilizing bulky ligand metallocene polymerization catalysts, having enhanced melt strength and shear-thinning behaviour.

IPC 1-7
C08F 210/18; C08F 210/02; C08F 2/34

IPC 8 full level
C08F 2/00 (2006.01); **C08F 2/34** (2006.01); **C08F 4/642** (2006.01); **C08F 4/6592** (2006.01); **C08F 10/02** (2006.01); **C08F 210/02** (2006.01); **C08F 210/18** (2006.01); **C08J 5/00** (2006.01); C08F 4/659 (2006.01)

CPC (source: EP)
C08F 210/02 (2013.01); **C08F 210/18** (2013.01); C08F 4/65912 (2013.01); C08F 4/65927 (2013.01)

Citation (search report)
See references of WO 0162808A1

Cited by
CN107108801A; US8067084B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0162808 A1 20010830; AU 3321001 A 20010903; BR 0108563 A 20021112; CA 2400665 A1 20010830; EP 1263816 A1 20021211; JP 2003524038 A 20030812

DOCDB simple family (application)
US 0103273 W 20010131; AU 3321001 A 20010131; BR 0108563 A 20010131; CA 2400665 A 20010131; EP 01905317 A 20010131; JP 2001562588 A 20010131