

Title (en)
PROPYLENE COPOLYMERS CONTAINING STYRENE UNITS

Title (de)
STYROLEINHEITEN ENTHALTENDE PROPYLENCOPOLYMERE

Title (fr)
COPOLYMERES DE PROPYLENE CONTENANT DES UNITES STYRENE

Publication
EP 1071720 A1 20010131 (EN)

Application
EP 00910679 A 20000210

Priority

- EP 0001219 W 20000210
- IT SA990005 A 19990211

Abstract (en)
[origin: WO0047643A1] Isotactic-polypropylene-based copolymers having a homogeneous distribution of recurring units of formula (1) where R is a hydrogen, halide radical or hydrocarbyl radical optionally containing an atom selected from oxygen, nitrogen, sulphur, phosphorus and silicon and n is an integer ranging from 1 to 3; said copolymer having a ¹³C-NMR spectrum wherein the resonance signals attributable to the links between different monomeric units fall around 30, 34, 35, 45 and 47 ppm and present intensities at least two times higher than the resonance signals attributable to styrene-styrene sequences around 41 ppm and 44-46 ppm. A process for preparing said copolymers carried out in the presence of homogeneous catalytic systems comprising a metallocene compound and a cocatalyst. Functionalized copolymers obtainable from said isotactic-polypropylene-based copolymers. Graft copolymers comprising said isotactic-polypropylene-based copolymers as backbones.

IPC 1-7
C08F 210/16; **C08F 210/06**

IPC 8 full level
C08F 4/642 (2006.01); **C08F 4/659** (2006.01); **C08F 210/06** (2006.01); **C08F 210/16** (2006.01); **C08F 212/08** (2006.01); **C08F 255/02** (2006.01)

CPC (source: EP KR)
C08F 210/06 (2013.01 - EP KR); **C08F 210/16** (2013.01 - EP); **C08F 212/12** (2013.01 - KR); **C08F 218/08** (2013.01 - KR); **C08F 220/14** (2013.01 - KR); **C08F 220/44** (2013.01 - KR); **C08F 255/02** (2013.01 - KR)

Citation (search report)
See references of WO 0047643A1

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

DOCDB simple family (publication)
WO 0047643 A1 20000817; AU 3280700 A 20000829; BR 0004772 A 20001121; CA 2327781 A1 20000817; CN 1300300 A 20010620; EP 1071720 A1 20010131; IT SA990005 A1 20000811; JP 2002536514 A 20021029; KR 20010042561 A 20010525; NO 20005101 D0 20001010; NO 20005101 L 20001109

DOCDB simple family (application)
EP 0001219 W 20000210; AU 3280700 A 20000210; BR 0004772 A 20000210; CA 2327781 A 20000210; CN 00800512 A 20000210; EP 00910679 A 20000210; IT SA990005 A 19990211; JP 2000598558 A 20000210; KR 20007011224 A 20001009; NO 20005101 A 20001010