

Title (en)
POLYETHERESTER BLOCK COPOLYMER ELASTOMERS

Title (de)
POLYETHERESTER-BLOCKCOPOLYMER-ELASTOMERE

Title (fr)
ELASTOMERES CONTENANT UN COPOLYMERE SEQUENCE DE POLYETHERESTER

Publication
EP 0705294 A4 19971203 (EN)

Application
EP 94920083 A 19940606

Priority
• US 9406312 W 19940606
• US 8079693 A 19930622

Abstract (en)
[origin: WO9500574A1] A polyetherester block copolymer useful in molding applications is prepared from the polymerization of from 5-50 % by weight of polyether block segments and from 50-95 % by weight of polyester block segments. The polyether block segments are a poly(propylene oxide)glycol or an ethylene oxide-capped derivative produced using a double metal cyanide complex catalyst. The glycol contains lower levels of unsaturation, increased functionality and a narrower molecular weight distribution than that prepared using conventional basic catalysts.

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C08G 63/66

IPC 8 full level
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CPC (source: EP)
C08G 63/672 (2013.01); **C08G 65/332** (2013.01)

Citation (search report)
• [Y] FR 2420936 A1 19791026 - USM CORP [US]
• [Y] US 3829505 A 19740813 - JOHNSTON R
• [A] WO 9206139 A1 19920416 - OLIN CORP [US]
• [A] EP 0349962 A2 19900110 - AUSIMONT SRL [IT]
• [A] CHEMICAL ABSTRACTS, vol. 81, no. 26, 30 December 1974, Columbus, Ohio, US; abstract no. 170828r, HOESCHELE G.K.: "Synthesis of poly(etherester) block copolymers" page 69; XP002035932 & CHIMIA, vol. 28, no. 9, 1974, pages 544 - 552
• See references of WO 9500574A1

Designated contracting state (EPC)
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