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(54) Title: ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE, ITS PRODUCTION AND USE

(57) Abstract: Ultra-high molecular weight polyethylene has a molecular weight greater than 20 x 10⁶ gm/mol as determined by ASTM 4020 or by size exclusion chromatography (SEC) and is produced by polymerizing ethylene with a catalyst composition comprising a Group 4 metal complex of a phenolate ether ligand.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C08F110/02 C08F4/64 C08F4/659
ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	wo 2005/108406 AI (SYMYX TECHNOLOGIES INC; BOUSSIE THOMAS R [US]; BRUEMMER OLIVER [DE]; DI) 17 November 2005 (2005-11-17)	4-15
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	claims	

	-/-	

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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