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(54) Title: ETHYLENE/ ALPHA-OLEFIN/ DIENE SOLUTION POLYMERIZATION PROCESS

(57) Abstract: A catalyst composition comprising a zirconium complex of a polyvalent aryloxyether and the use thereof in a continuous solution polymerization of ethylene, one or more C₃₋₃₀ olefins, and a conjugated or nonconjugated diene to prepare interpolymers having improved processing properties are disclosed.

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C08F2/04 C08F10/02 C08F4/64

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)
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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, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 2005/164872 A1 (BOUSSIE THOMAS R [US] ET AL BOUSSIE THOMAS R [US] ET AL) 28 July 2005 (2005-07-28) the whole document	1-17
A	US 6 686 490 B1 (KOL MOSHE [IL] ET AL) 3 February 2004 (2004-02-03) the whole document	1-17

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