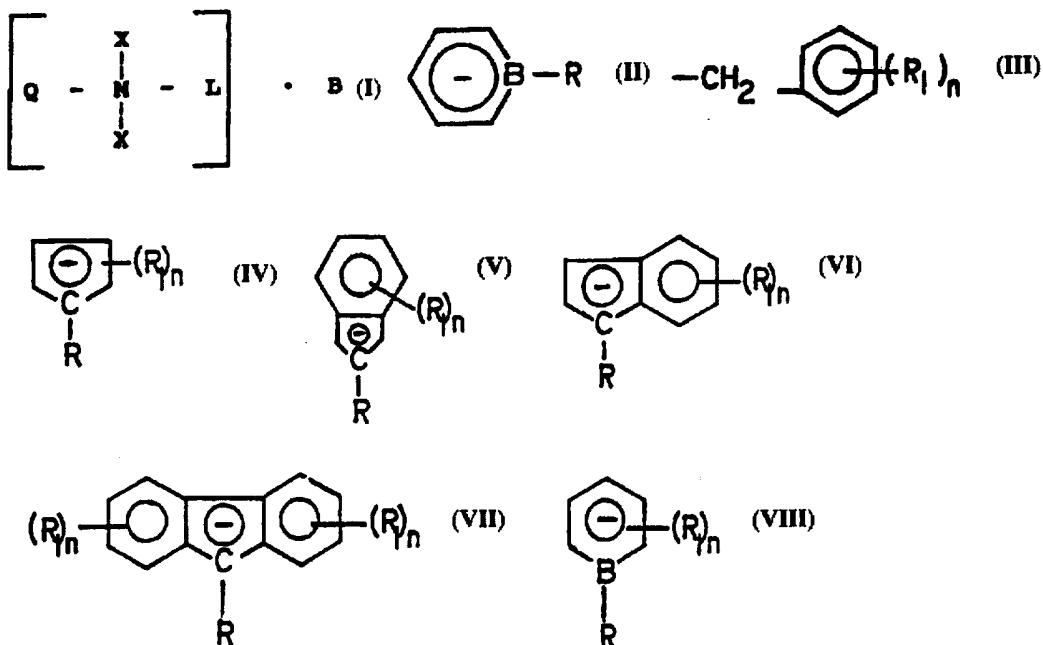




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(54) Title: BORABENZENE BASED OLEFIN POLYMERIZATION CATALYSTS



(57) Abstract

Disclosed is a catalyst having general formula (I), where Q is a ligand containing the ring (II), R is hydrogen, N(R')₂, OR', or R', each R' is independently selected from alkyl from C₁ to C₁₀, aryl from C₆ to C₁₅, alkaryl C₇ to C₁₅, and aralkyl from C₇ to C₁₅, each X is independently selected from hydrogen, halogen, alkoxy from C₁ to C₁₀, dialkylamino from C₁ to C₁₀, methyl, (III), each R₁ is independently selected from halogen, alkoxy from C₁ to C₁₀, and R', L is (IV), (V), (VI), (VII), (VIII), Q, or X, where L can be bridged to Q, B is an optional base, "n" is 0 to 5, and M is titanium, zirconium, or hafnium.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 95/16556

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C08F4/64 C08F10/00 C07F17/00

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)
IPC 6 C08F C07F

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
10	E JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 118, 1996, pages 2291-2292, XP002002987 ASHE ARTHUR: "Aminoboratabenzene derivatives of zirconium" see the whole document ---	1-4,7, 11,12,15
11	A CHEMISCHE BERICHTE, vol. 112, 1979, pages 607-624, XP002002988 HERBERICH GERHARD: "Kationische borinatometall-Komplexe" see the whole document -----	1

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Patent family members are listed in annex.

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