

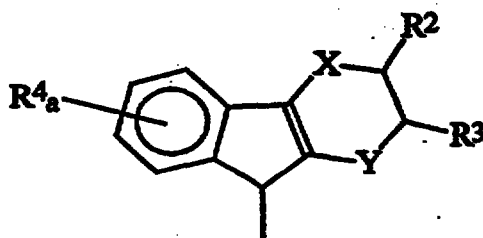


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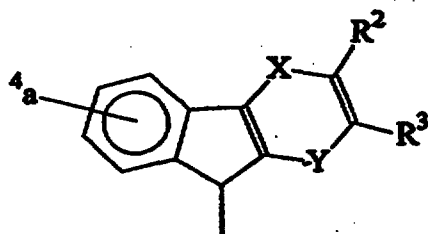
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(54) Title: METALLOCENES AND CATALYSTS FOR OLEFIN-POLYMERISATION



(I)



(II)

(57) Abstract

A class of metallocenes of formula (I): $(ZR^1_m)_n(Cp)(A)_rML_pL'_q$ (I) wherein $(ZR^1_m)_n$ is a divalent group bridging Cp and A, Cp is a heterocyclic cyclopentadienyl group of formula (II) or (II'), wherein one of X or Y is a single bond, the other being an heteroatom; R^2 and R^3 are hydrogen, halogen or a hydrocarbon radical, optionally containing heteroatoms; R^4 is halogen or an hydrocarbon radical, optionally containing heteroatoms; the group A is a cyclopentadienyl derivative or is equal to Cp; M is Ti, Zr or Hf; m is 1 or 2; n ranges from 0 to 4; r is 0 or 1; p and q range from 0 to 3; and a ranges from 0 to 4. Moreover, are disclosed catalyst systems containing these metallocenes, useful in the polymerization of olefins.