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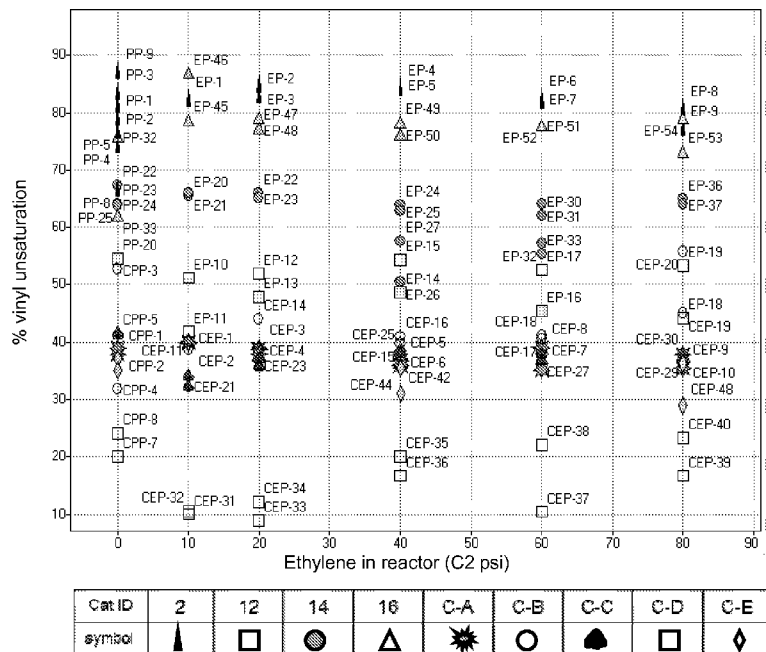
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(54) Title: SUBSTITUTED METALLOCENE CATALYSTS

FIGURE 1



(57) Abstract: This invention relates to novel bridged hafnium transition metal metallocene catalyst compounds having two indenyl ligands substituted at the 4 positions with a C₁ to C₁₀ alkyl, where the 3 positions are hydrogen (assuming the bridge position is counted as the one position) and the bridging atom is carbon or silicon which is incorporated into a cyclic group comprising 3, 4, 5, or 6 silicon and/or carbon atoms that make up the cyclic ring.



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