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(54) Title: CATALYST SYSTEM

(57) Abstract: The present invention relates to a catalyst system for producing ethylene copolymers in a high temperature solution process, the catalyst system comprising (i) a metallocene complex of a group 4 transition metal comprising at least one ligand selected from optionally substituted cyclopentadienyl (Cp), indenyl (Ind) and fluorenyl (Flu) ligands and (ii) a solid alkyl aluminium oxide cocatalyst. The invention relates also to the preparation of the catalyst system, use thereof in the high temperature solution process and to a process comprising polymerizing ethylene and a C₄₋₁₀ alpha-olefin comonomer in a high temperature solution process in the presence of the catalyst system.

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