

CATALYST COMPOSITION AND PROCESS FOR DI-, TRI- AND/OR TETRAMERIZATION OF ETHYLENE

ABSTRACT

The present invention relates to a catalyst composition and a process for di-, tri- and/or tetramerization of ethylene, wherein the catalyst composition comprises a chromium compound, a ligand of the general structure (A) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-H$ or (B) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-PR_6R_7$, or any cyclic derivatives of (A) and (B), wherein at least one of the P or N atoms of the PNPN-unit or PNPNP -unit is member of a ring system, the ring system being formed from one or more constituent compounds of structures (A) or (B) by substitution and a co-catalyst or activator.

(Fig.1)