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(54) **Title:** CATALYST COMPOSITION AND PROCESS FOR OLIGOMERIZATION OF ETHYLENE

(57) **Abstract:** The present invention relates to a catalyst composition comprising: (a) a binuclear chromium(II) complex; (b) a ligand of the general structure (A) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-H$ or (B) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-PR_6R_7$, wherein $R_1, R_2, R_3, R_4, R_5, R_6$ and R_7 are independently selected from halogen, amino, trimethylsilyl, C_1 - C_{10} -alkyl, aryl and substituted aryl, wherein the PNP or PNP unit is optionally part of a ring system; and (c) an activator or co-catalyst, as well as to a process for oligomerization of ethylene.

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