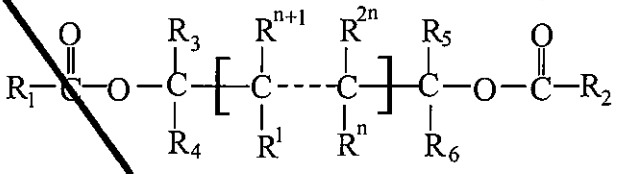
aliphatic and aromatic mono- and poly-basic carboxylic acids, esters of aliphatic and aromatic polyols, and di-ethers.

14. The catalyst component according to claim 13, wherein the internal electron donor is at least one selected from the group consisting of:

benzoates, phthalates, malonates, succinates, glutarates, pivalates, adipates, sebacates, maleates, naphthalene dicarboxylates, trimellitates, benzene-1,2,3-tricarboxylates, pyromellitates and carbonates;

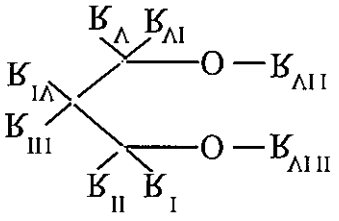
esters of polyols represented by the general formula (III),



(III)

wherein R_1 to R_6 and R^1 to R^{2n}, which are identical or different, are hydrogen, halogen, or optionally substituted linear or branched C_1-C_{20} alkyl, C_3-C_{20} cycloalkyl, C_6-C_{20} mono-ring or multi-ring aryl, C_7-C_{20} alkylaryl, C_7-C_{20} arylalkyl, C_2-C_{10} alkenyl, or C_2-C_{10} ester group, with the proviso that R_1 and R_2 are not hydrogen; R_3 to R_6 and R^1 to R^{2n} optionally comprise one or more heteroatoms, which are selected from the group consisting of nitrogen, oxygen, sulfur, silicon, phosphorus and halogen, replacing carbon or hydrogen or the both, and one or more of R_3 to R_6 and R^1 to R^{2n} are optionally linked to form a ring; and n is an integer ranging from 0 to 10; and

1,3-diether compounds represented by the general formula (VI),



(VI)

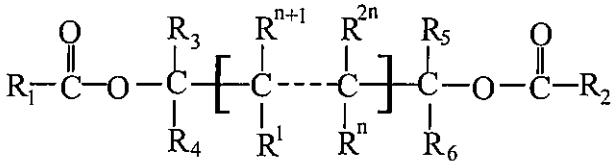
wherein R^I, R^{II}, R^{III}, R^{IV}, R^V and R^{VI}, which are identical or different, are selected from the group consisting of hydrogen, halogen, linear or branched C_1-C_{20} alkyl, C_3-C_{20} cycloalkyl, C_6-C_{20} aryl, C_7-C_{20} alkylaryl and C_7-C_{20} arylalkyl, and R^{VII} and

aliphatic and aromatic mono- and poly-basic carboxylic acids, esters of aliphatic and aromatic polyols, and di-ethers.

14. The catalyst component according to claim 13, wherein the internal electron donor is at least one selected from the group consisting of:

benzoates, phthalates, malonates, succinates, glutarates, pivalates, adipates, sebacates, maleates, naphthalene dicarboxylates, trimellitates, benzene-1,2,3-tricarboxylates, pyromellitates and carbonates;

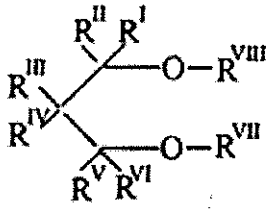
esters of polyols represented by the general formula (III),



(III)

wherein R_1 to R_6 and R^1 to R^{2n}, which are identical or different, are hydrogen, halogen, or optionally substituted linear or branched C_1-C_{20} alkyl, C_3-C_{20} cycloalkyl, C_6-C_{20} mono-ring or multi-ring aryl, C_7-C_{20} alkylaryl, C_7-C_{20} arylalkyl, C_2-C_{10} alkenyl, or C_2-C_{10} ester group, with the proviso that R_1 and R_2 are not hydrogen; R_3 to R_6 and R^1 to R^{2n} optionally comprise one or more heteroatoms, which are selected from the group consisting of nitrogen, oxygen, sulfur, silicon, phosphorus and halogen, replacing carbon or hydrogen or the both, and one or more of R_3 to R_6 and R^1 to R^{2n} are optionally linked to form a ring; and n is an integer ranging from 0 to 10; and

1,3-diether compounds represented by the general formula (VI),



(VI)

wherein R^I, R^{II}, R^{III}, R^{IV}, R^V and R^{VI}, which are identical or different, are selected from the group consisting of hydrogen, halogen, linear or branched C_1-C_{20} alkyl, C_3-C_{20} cycloalkyl, C_6-C_{20} aryl, C_7-C_{20} alkylaryl and C_7-C_{20} arylalkyl, and R^{VII} and