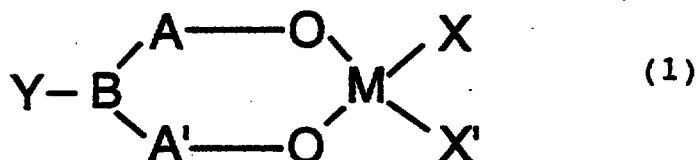


ABSTRACT OF THE DISCLOSURE

OLEFIN POLYMERIZATION CATALYST COMPONENT, OLEFIN POLYMERIZATION CATALYST AND PROCESS FOR PRODUCING OLEFIN POLYMER

An olefin polymerization catalyst component
represented by the general formula (1);



(wherein M is the transition-metal element of the 4th Group or the Lanthanide Series in the Periodic Table and O is an oxygen atom. Each of A and A' is a hydrocarbon or halogenated hydrocarbon having 1 to 50 carbon atoms, or a hydrocarbon or halogenated hydrocarbon group having 1 to 50 carbon atoms and a substituent containing an oxygen atom, and A and A' may be the same or different. B is a residual group of an element of the 13th to 15th Groups capable of forming bonds at three positions. Each of X and X' is a halogen atom or a hydrocarbon group having 1 to 20 carbon atoms and X and X' may be the same or different. Y represents a hydrocarbon or halogenated hydrocarbon group containing at least one hetero atom and having 1 to 20 carbon atoms.), an olefin polymerization catalyst containing the said catalyst component, and a process for producing an olefin polymer with the said catalyst.