

ABSTRACT OF THE DISCLOSURE

The present invention relates to a catalyst for polymerization of  $\alpha$ -olefin, which comprises:

an essential component (A) of a transition metal compound,  
an essential component (B) of an ion exchangeable layer compound except for silicate, or an inorganic silicate, and  
an optional component (C) of an organoaluminum compound, said component (A) being represented by the general formula (I):

