ABSTRACT OF THE DISCLOSURE

OLEFIN POLYMERIZATION CATALYST AND PROCESS FOR PRODUCING OLEFIN POLYMER

An olefin polymerization catalyst prepared by contacting a specified transition metal compound(A) having a cyclopentadiene type anion skeletons in its molecule with a modified aluminum oxy compound (B) obtained by reacting an aluminum oxy compound(B1) with a compound having a hydroxyl group(B2), and a process for producing an olefin polymer using the olefin polymerization catalyst.

Fig. 1