

ABSTRACT

MODIFIED PARTICLES, CATALYST FOR OLEFIN POLYMERIZATION
USING THE SAME, AND PROCESS OF PRODUCING OLEFIN POLYMER

A modified particles obtained by contacting particles(a) with a metal compound(b) selected from the group
5 consisting of compounds of the Group VI, VII, XIV metal elements and compounds of the lanthanide series, and contacting the particles with a compound(c) having a functional group containing active hydrogen or a non-proton donative Lewis basic functional group and an electron-
10 withdrawing group; a carrier composed of the modified particles; a catalyst component for olefin polymerization composed of said modified particles; a catalyst for olefin polymerization obtained by contacting the modified particles(A) and a transition metal compound(B), or further
15 an organometallic compound(C); and a process for producing an olefin polymer with the catalyst.