

ABSTRACT

TRANSITION METAL COMPOUND, OLEFIN POLYMERIZATION CATALYST
COMPONENT, OLEFIN POLYMERIZATION CATALYST AND PROCESS FOR
PRODUCING OLEFIN POLYMER

A specified transition metal compound having two
transition metals and two cyclopentadiene type anion
5 skeletons in its molecule and said metals are linked through
an atom of the Group XVI of the Periodic Table of the Elements,
an olefin polymerization catalyst component comprising said
transition metal compound, an olefin polymerization catalyst
comprising said transition metal compound, a specific
10 organoaluminum compound, and a specific boron compound, and
a process for producing an olefin polymer using said olefin
polymerization catalyst.