

ABSTRACT OF THE DISCLOSURE

ALUMINUM COMPOUND-CONTAINING SOLID CATALYST COMPONENT,
CATALYST FOR OLEFIN POLYMERIZATION AND METHOD FOR PRODUCING
OLEFIN POLYMER

An aluminum compound-containing solid catalyst component obtained by bringing a carrier into contact with an organoaluminumoxy compound, followed by bringing into contact with a compound having an electron attractive group; a transition metal-containing solid catalyst component obtained by bringing the aluminum compound-containing solid catalyst component with a transition metal compound; a catalyst for olefin polymerization, comprising the aluminum compound-containing solid catalyst component and an organoaluminum compound; and a method for producing an olefin polymer, which comprises polymerizing or copolymerizing an olefin using the catalyst for olefin polymerization