

ABSTRACT OF THE DISCLOSURE

SOLID CATALYST COMPONENT, CATALYST FOR OLEFIN
POLYMERIZATION, AND METHOD FOR PRODUCING OLEFIN POLYMER

A solid catalyst component for olefin polymerization prepared by a method which comprises contacting the following components (a), (b), (c) and (d):

- (a) a polymer carrier containing a carbonyl group;
- (b) an organometallic compound of metal of Group I, II or XIII of the Periodic Table;
- (c) a transition metal compound of Group IV of the Periodic Table; and
- (d) a phenol compound, a catalyst for olefin-polymerization comprising said solid catalyst component and an organoaluminum compound and/or organoaluminum oxide compound, and a method for producing an olefin polymer with said catalyst.