

## **Abstract**

An anti-coking equipment, a preparation method therefor, and the use thereof. The preparation method comprises: bringing a low-oxygen partial pressure gas into contact with an equipment for reaction to obtain an anti-coking equipment containing an oxide film on the inner surface, wherein the dew point of the low-oxygen partial pressure gas is  $-40^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ .

A dense and stable oxide film is formed on the inner surface of the equipment prepared by the method, which can inhibit or slow down the catalytic coking phenomenon, reduce the degree of equipment carburization, and prolong the service life of the equipment.