

ABSTRACT

CAST PRODUCT HAVING ALUMINA BARRIER LAYER AND METHOD FOR PRODUCING SAME

To provide a cast product having an alumina barrier layer and method for producing the same. A cast product having an alumina barrier layer of the present invention is a cast product in which an alumina barrier layer containing Al_2O_3 is formed on the surface of a cast body, and the cast body contains C: 0.3 to 0.7 mass%, Si: 0.1 to 1.5 mass%, Mn: 0.1 to 3 mass%, Cr: 15 to 40 mass%, Ni: 20 to 55 mass%, Al: 2 to 4 mass%, rare earth element: 0.005 to 0.4 mass%, W: 0.5 to 5 mass% and/or Mo: 0.1 to 3 mass%, and 25 mass% or more of Fe in the remainder and an inevitable impurity, and 80 mass% or more of the rare earth element is La.

Fig. 21